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Empire Offshore Wind Final Environmental Impact Statement Volume 6 Part G EAF Appendix J

September 2023

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Bureau of Ocean Energy Management

Appendix J South Brooklyn Marine Terminal Phase II Environmental Site Assessment Portions of Lots 1, 130, 136, 137, 155, Block 662, January 6, 2022

South Brooklyn Marine Terminal
Phase II Environmental Site Assessment (ESA)

Portions of Lots 1, 130, 136, 137, and 155, Block 662
2nd Avenue
Brooklyn, New York 11232

Tetra Tech Project #194-1247-0003
Revision 0
January 6, 2022

PREPARED FOR

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1.0 INTRODUCTION

1.1 Purpose

Tetra Tech, Inc. (Tetra Tech), on behalf of Equinor Wind US LLC (Equinor), conducted a Phase II Environmental Site Assessment (ESA) for portions of the South Brooklyn Marine Terminal (SBMT) located at 2nd Avenue Brooklyn, New York (hereafter referred to as the "Site"). The Site occupies approximately 73.68 acres of land which is largely vacant and primarily consists of asphalt and concrete pavement, existing above-grade structures, railway spurs, and bulkheads. The Site is bounded by 2nd Avenue to the southeast, 39th Street to the southwest, a recycling facility and 29th Street to the northeast and the Gowanus Bay to the northwest. The approximate location of the Site is shown on Figure 1.

The Site is generally flat, and it slopes slightly to the northwest towards Gowanus Bay. The nearest surface water body is Gowanus Bay, which is adjacent to the northwestern portion of the Site. Groundwater was encountered between 5 to 10 feet of the ground surface and has some tidal influence.

Tetra Tech conducted this Phase II ESA to further evaluate the subsurface conditions at the Site and within in the vicinity of RECs and environmental concerns. Historical Phase I ESAs and Phase II ESIs have been performed and are summarized below. The Limited Phase II investigation included sampling and analytical analyses of the soil, groundwater, soil vapor, and ambient air at locations across the Site.

1.1 Previous Investigations

Based on a review of prior reports for the Site, environmental investigations have been completed for the SBMT since at least October 1997. In March 1998, two 550-gallon gasoline underground storage tanks (USTs), four 4,000-gallon gasoline USTs, one 4,000-gallon diesel UST, one 550-gallon waste oil UST, one 1,000-gallon above-ground storage tank (AST) of unknown contents, and one 550-gallon fuel AST were removed from the property. Since impacted soils were detected through post-excavation sampling around the tanks and associated pumps, two spill cases (No. 97-14188 and 97-14190) were opened by New York State Department of Environmental Conservation (NYSDEC) on March 23, 1998. No additional USTs were located during a 1998 geophysical investigation performed at eight portions of the Site following removal of the tanks (TRC 2004). Impacted soils surrounding the former UST area were excavated and transported off-Site for disposal. 13 groundwater monitoring wells were installed around the former tank area and quarterly groundwater sampling was completed by URS Corporation (URS) for various wells between August 2003 and March 2005. Once groundwater contaminant concentrations were measured below the NYSDEC Groundwater Quality Criteria, a request for spill closure was submitted and approved for both cases in May 2005.

An April 2004 investigation by TRC included the advancement of 12 soil borings throughout the Site that revealed the presence of petroleum-related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOC)s, and metals in subsurface soils between 0 and 10.5 feet below ground surface (bgs). Petroleum-related impacts were observed in four shallow and two subsurface soil samples collected from four borings in the vicinity of the former ASTs (TRC 2004).

A Phase I Environmental Site Assessment was performed by AECOM for the Site in May 2018. AECOM documented that due to the potential for orphan USTs and presence historic urban fill, subsurface contamination may exist at the SBMT. A brass cap within a concrete pad was observed behind the two temporary structures associated with the auto maintenance facility near 37th Street and Second Avenue. The Phase I report also recognized the history of reported spills and removal of the former USTs in 1999. It was suspected that four former 160,000-gallon ASTs existed in in the location of the "N Shed" along the 39th Street Pier. Based on a review of historic aerial photographs, it was estimated that these tanks were active between 1940 and 1953. However, information regarding the decommissioning of the tanks and any impacted soil removal was not available (AECOM 2018).

AECOM also completed a Phase II Limited Site Investigation at SBMT in October 2018 that included the advancement of 15 soil borings to a maximum depth of 20 feet, collection of groundwater grab samples from eight borings, and an inspection of an underground vault located near the New York Department of Transportation (DOT) building in the northeast portion of the Site. Elevated SVOCs concentrations were detected above the New York State Department of Environmental Conservation's (NYSDEC) soil cleanup objectives (SCOs) for Unrestricted, Residential, and Commercial Use in eight borings at the Site, but primarily in the location of the former ASTs within the "N Shed". PCBs were also detected above the commercial SCOs in the vicinity of the DOT building. No VOCs were detected in any soil samples above the Unrestricted SCOs. SVOCs above the New York Technical and Operational Guidance Series (TOGS) 1.1.1 standards were detected in only one groundwater sample from a boring near the 39th Street parking lot.

A subsurface investigation was completed by TRC in July 2019 throughout the Site that included a geophysical survey, advancement of 20 soil borings, installation of eight temporary wells, and installation of eight soil vapor sample locations. The geophysical survey identified an additional UST in the southwestern portion of the Site near 39th Street. Information regarding the four former 160,000-gallon ASTs was not provided in this investigation report. According to the TRC Phase II Investigation Report, the following contaminants were identified for on-Site soils:

- Select VOCs were detected over the Unrestricted Use SCO and Commissioner's Policy Table 2 and/or Table 3 SCLs, but below the Restricted Residential Use, Restricted Commercial Use, and Restricted Industrial Use SCOs;
- Select SVOCs and metals were detected above the Unrestricted Use, Restricted Residential Use, Commercial Use, and Industrial Use SCOs;
- Total PCBs were detected in one sample at a concentration above the Unrestricted Use SCO, but below the Restricted Residential Use, Commercial Use, and Industrial Use SCOs; and,
- Select pesticides were detected over the Unrestricted Use SCOs but below the Restricted Residential Use, Commercial Use, and Industrial Use SCOs.
- Impacts to adjacent subsurface materials were not observed downgradient of the UST.

2.0 DESCRIPTION OF PHASE II ESI FIELD ACTIVITIES

Tetra Tech completed a Phase II ESA between November 16 and December 9, 2021. The completed Phase II ESA field activities focused primarily on evaluating potential subsurface contamination identified from previous investigations. All sample locations are shown on Figure 2.

The Phase II ESA consisted of the following activities:

- The completion of a geophysical survey at each sample location,
- The completion of 40 soil borings to a depth of approximately 10 feet bgs,
- The installation of 11 temporary monitoring wells in the water table aquifer to depths of 6 to 10 feet bgs and collection of groundwater samples from the temporary monitoring wells,
- The collection of soil vapor samples from 13 locations below ground cover (concrete slabs, asphalt, etc.) but above the water table,
- The collection of one ambient air sampling from the Site, and
- Analytical analyses for parameters of environmental concern by a New York certified environmental laboratory.

2.1 Soil Boring Investigation

Tetra Tech completed a total of 40 soil borings at the Site between November 18 through December 6, 2021. The soil boring locations were chosen to further evaluate the subsurface conditions at the Site and within in the vicinity of RECs and environmental concerns as noted in Section 2.0 of this Report. The soil boring locations are shown on Figure 2.

Aquifer Drilling and Testing (ADT), a subsidiary of Cascade Environmental, of Mineola, NY was retained as a subcontractor by Tetra Tech for drilling services. Soil borings were completed using direct push drilling methods (i.e., Geoprobe™), utilizing a track-mounted direct drive rig. The top five feet of each boring were hand cleared using either hand auger or a Utilivac and air knife. From five feet bgs to completion, a continuous soil core was collected from ground surface to boring completion depth with a macro-core sampler lined by acetate sleeves. A description of the soils retained in each sample core was logged, according to the Universal Soil Classification System (USCS), by Tetra Tech's field personnel, and the soils were screened in the field for the presence of VOCs with a photoionization detector (PID). Upon completion, the borings were backfilled to near grade-surface with soil cuttings. Soil boring logs, including the PID readings are provided in Appendix A.

One soil sample from each boring was collected for laboratory analysis, from the two-foot interval exhibiting the greatest evidence of impact (e.g., elevated PID readings, odors, or staining). If no evidence of impacts was observed during soil boring advancement, a soil sample was collected from the interval immediately above the groundwater table. .

Soil samples for off-site laboratory analysis were transferred to certified-clean containers provided by the laboratory by personnel wearing clean, disposable nitrile gloves. The soil fraction for TCL VOCs was collected using an En Core® sampler before removing the soil from the core tube. Collected soils were then placed into a clean, disposable aluminum tin using a disposable plastic trowel, and mixed together to ensure a homogeneous sample representative of the sampling interval. The remaining analytical fractions were then transferred into the appropriate glass jars, labeled, recorded on a chain-of-custody, and placed into an ice-chilled cooler pending transport to the analytical laboratory. Samples for PFAS analysis were collected using NYSDEC PFAS protocols.

The soil samples were analyzed by an off-site laboratory certified under the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) using a standard 10-day turn-around-time. The soil samples were analyzed for the following:

- Target Compound List (TCL) VOCs using USEPA Method 8260;
- TCL semi-volatile organic compounds SVOCs using USEPA Method 8270;
- Polychlorinated biphenyls (PCBs) using USEPA Method 8082;
- TCL pesticides and herbicides using USEPA Methods 8081 and 8151, respectively;
- Target Analyte List (TAL) metals using USEPA Methods 6010 and 7471;
- Total cyanide by USEPA Method 9014;
- 1,4-dioxane by USEPA Method 8270 SIM, and;
- Per- and polyfluoroalkyl substances (PFAS) by USEPA Method 537.1.

2.2 Groundwater Investigation

A total of eleven temporary monitoring wells were installed at depths of 6 to 10 feet bgs. Groundwater samples were collected from eleven temporary well locations via low-flow purge by peristaltic pump. Groundwater samples were collected on December 6 and 7, 2021 at the Site. The groundwater samples were field screened for evidence of contamination. Low flow data sheets are provided in Appendix B. As noted on the data sheets, field indications of contamination (sheen observed in purge water bucket) were generally limited to temporary monitoring wells TT-SB-12GW and TT-SB-27GW. Groundwater sample locations are shown on Figure 2.

Due to the undeveloped nature of the temporary wells, only an initial and end reading was recorded on the purge log forms. A sample was collected once the readings began to stabilize (primarily turbidity). Readings were measured via a Horiba U-52 and a LaMotte Turbidity meter and samples were collected

using a peristaltic pump. The groundwater samples were collected and containerized in accordance with NYSDEC protocols. The sample containers were properly labeled and placed in a cooler for transport to Chemtech Laboratories. Standard chain-of-custody procedures were followed.

The ground water sample were submitted to a New York State Department of Health (NYSDOH) approved laboratory for the following analyses:

- VOCs by USEPA Method 8260;
- Per- and poly-fluoroalkyl (PFAS) compounds by Method 537.1 (21 Compound List);
- SVOCs by USEPA Method 8270;
- Pesticides by USEPA Method 8081A;
- PCBs by USEPA Method 8082;
- Herbicides by USEPA Method 8151;
- Total Metals (total and dissolved metals);
- 1,4-dioxane by USEPA Method 8270 SIM, and;

2.3 Soil Vapor Investigation

Tetra Tech completed a soil vapor investigation at various locations throughout the Site. These locations were selected to evaluate subsurface soil and soil vapor conditions for the presence of VOCs throughout the Site. One ambient air sample was also collected concurrent with the soil vapor samples to compare with the results of the soil vapor samples to assist in evaluating whether the compounds detected are airborne related verses contaminants detected below grade. Tetra Tech installed thirteen soil vapor sampling points in asphalt paved areas and inside two of the warehouses. Of the fourteen planned locations, only thirteen were sampled due to a high-water table at TT-SB-26SV. The soil vapor sample locations and the ambient air sample location are shown in Figure 2.

The soil vapor points were installed using direct push methods with a 4-inch diameter stainless steel screen to the target depth. This depth was approximately 1 to 2 feet above the groundwater, so the depths of the points ranged from 3 to 6 feet bgs, but were typically 5 feet bgs. The void around the screen was filled with #1 Morie sand and the upper portion sealed to the slab or asphalt using bentonite. The soil vapor and ambient air samples were collected in accordance with applicable NYSDEC protocols and the NYSDOH Soil Vapor Intrusion Guidance Document utilizing six-liter Summa Cannisters and an eight-hour sampling interval flow controller with a gauge and Swagelok® connection. Start and end pressures (vacuum) were recorded, and the flow controller gauges were monitored, and the valves closed before the canisters reached neutral or positive pressure. The sample containers were properly labeled and placed in a shipping box for transport to SGS. Standard chain-of-custody procedures were followed, and

the samples were analyzed for the TO-15 suite of VOCs. The samples were analyzed for a suite of approximately 68 VOCs utilizing United States Environmental Protection Agency (USEPA) method TO-15.

3.0 DISCUSSION OF FINDINGS

This section presents a discussion of the findings of the sampling activities described above. Summaries of the detected compounds in the soil, groundwater, soil vapor, and ambient air samples collected during the Phase II ESA are presented in Tables 1 through 3. The complete laboratory analytical data packages are included in Appendix C.

3.1 Applicable Regulatory Standards

The regulatory standards and guidelines of the NYSDEC and NYSDOH were used to evaluate the results of the soil and groundwater analyses, as described below.

3.2.1 NYSDEC Soil Cleanup Objectives

Analytical results for soil samples were compared to the NYSDEC Industrial Use with Protection of Groundwater Overlay SCOs (6 NYCCR Tables 375-6.8(a) and (b). Comparison of analytical results and regulatory standards evaluated whether the concentration of each analyzed substance exceeded the SCO as specified by the NYSDEC. According to the NYSDEC Soil Cleanup Guidance, soil concentrations that are higher than the SCOs are not necessarily a health or environmental concern. When an SCO is exceeded, the degree of public health or environmental concern depends on several factors, including the magnitude of the exceedance, the accuracy of the exposure estimates, other sources of exposure to the contaminant, and the strength and quality of the available toxicological information on the contaminant.

3.2.2 NYSDEC Ambient Water Quality Standards and Guidance Values

Analytical results for groundwater samples were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values. The standards and guidance values are ambient water quality values that were developed in order to protect New York's waters by the NYSDEC according to the authority of the Environmental Conservation Law and 6 NYCCR Parts 700-706, Water Quality Regulations. Regulatory values used for comparisons are found in Table 1 of the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, issued June 1998. Comparison of analytical results and regulatory standards evaluated whether the concentration of each analyzed substance exceeded the statewide standard or guidance value as specified by the NYSDEC.

3.2.3 NYDOH Soil Vapor Intrusion Guidance

Analytical results for the soil vapor samples were evaluated in accordance with the NYSDEC Guidance Document DER-10, the New York State Department of Health Guidance for Evaluation Soil Vapor Intrusion in the State of New York dated October 2006, as amended (Soil Vapor Intrusion Guidance Document).

3.2 Soil Boring Investigation Results

The soil boring investigation included screening in the field for indications of contamination, and analytical analyses of approximately 42 soil samples (including two duplicates) at 40 soil boring locations. Table 1 presents the soil data and identifies the constituents that exceeded the applicable SCO. Laboratory analytical data packages are provided in Appendix C.

No PCBs were detected in soil samples collected during the Phase II ESA. Ten VOCs, pesticides/herbicides, , metals and total cyanide were detected in samples across the Site, although not at concentrations that exceeded Industrial Use SCOs. 1,4-dioxane and PFAS were detected in one and four samples, respectively. Two SVOCs, benzo(a)pyrene and dibenzo(a,h)anthracene, were detected above Industrial Use SCOs in seven soil boring locations and eight soil samples (including 1 duplicate sample). These constituents were detected in sample locations TT-SB-05, TT-SB-07, TT-SB-12, TT-SB-13, , TT-SB-38, TT-SB-39, TT-SB-40, and S-DUP-02 (collected at TT-SB-24).

The results of the comparison of soil sample results to Industrial Use SCOs are as follows:

- Benzo(a)pyrene was detected in 33 of 42 samples, ranging from 22.9 to 9,330 ug/kg, and exceeded the NYSDEC Industrial Use SCO in eight (8) samples.
- Dibenzo(a,h)anthracene was detected in 24 of 42 samples, ranging from 19.2 to 1,530 ug/kg, and exceeded the NYSDEC Industrial Use SCO in one (1) sample.

3.3 Groundwater Investigation Results

The groundwater investigation included low-flow sampling from 11 temporary monitoring wells installed at the Site. Table 2 presents the groundwater data and identifies the constituents that exceeded the applicable NYSDEC Ambient Water Quality Standards and Guidance Values, and the complete analytical laboratory data packages are presented in Appendix C.

No pesticides/herbicides, or PCBS were detected in groundwater. One VOC (benzene) was detected, but not at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values. 1,4 dioxane and PFAS were detected at several groundwater samples. SVOCs were detected in seven groundwater samples, and five SVOCs were detected at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values at three locations. The SVOCs exceeding standards included benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. These SVOCs were detected above standards in sample locations TT-SB-13GW, TT-SB-30GW, and TT-SB-31GW. Metals were detected in all analyzed groundwater samples. Excluding commonly occurring metals such as aluminum, iron, calcium, sodium, and magnesium, six metals were detected at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values at six locations. The metals exceeding standards included antimony, arsenic, beryllium, chromium, manganese, and nickel. These metals were detected above standards in sample locations TT-SB-02GW, TT-SB-06GW, TT-SB-20GW, TT-SB-23GW, TT-SB-27GW, and TT-SB-30GW.

The results of the comparison of groundwater sample results to NYSDEC Ambient Water Quality Standards and Guidance Values are as follows:

- Benzo(a)anthracene was detected in 2 of 12 samples, ranging from 0.47 to 0.76 ug/L, and exceeded its NYSDEC Ambient Water Quality Standards and Guidance Values in both samples.
- Benzo(b)fluoranthene was detected in 2 of 12 samples, ranging from 0.61 to 0.9 ug/L, and exceeded its NYSDEC Ambient Water Quality Standards and Guidance Values in both samples.
- Benzo(k)fluoranthene was detected in 2 of 12 samples, ranging from 0.21 to 0.38 ug/L, and exceeded its NYSDEC Ambient Water Quality Standards and Guidance Values in both samples.
- Chrysene was detected in 2 of 12 samples, ranging from 0.37 to 0.64 ug/L, and exceeded its NYSDEC Ambient Water Quality Standards and Guidance Values in both samples.
- Indeno(1,2,3-cd)Pyrene was detected in 3 of 12 samples, ranging from 0.57 to 1.1 ug/L, and exceeded its NYSDEC Ambient Water Quality Standards and Guidance Values in all three (3) samples.
- Antimony was detected in one sample, at a concentration of 6.2 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values.
- Arsenic was detected in 9 of 11 samples, ranging from 3.1 to 66.6 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values at one location.
- Beryllium was detected in 5 of 11 samples, ranging from 1.1 to 7.1 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values at one location.
- Chromium was detected in 4 of 11 samples, ranging from 11.7 to 140 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values at one location.
- Manganese was detected in all 11 samples, ranging from 20.5 to 10,700 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values at six (6) locations.
- Nickel was detected in 5 of 11 samples, ranging from 11.2 to 206 ug/L, exceeding its NYSDEC Ambient Water Quality Standards and Guidance Values at one location.

3.4 Findings for Soil Vapor Intrusion Sampling

A total of 68 VOCs were analyzed for the TO-15 suite of parameters. Of those 68 analyzed VOCs, 46 were detected at 13 of the soil vapor sample locations. Results of the detected VOCs are shown in Table 3. All the soil vapor samples were collected in outdoor locations or within open air decommissioned warehouses. Therefore, none of the samples were compared to indoor air quality screening values.

There were several VOCs that were detected above ambient air concentrations at multiple locations:

- Benzene was detected at concentrations ranging from 0.7 to 45.4 ug/m^3,
- Cyclohexane was detected at concentrations ranging from 0.27 to 372 ug/m^3,
- Ethylbenzene was detected at concentrations ranging from 0.42 to 2.9 ug/m^3,
- Heptane was detected at concentrations ranging from 0.49 to 422 ug/m^3,
- Hexane was detected at concentrations ranging from 0.49 to 206 ug/m^3,
- Methyl ethyl ketone was detected at concentrations ranging from 0.41 to 121 ug/m^3,
- Toluene was detected at concentrations ranging from 1.5 to 51.6 ug/m^3, and
- Xylenes (total) was detected at concentrations ranging from 0.91 to 136 ug/m^3.

One ambient air sample was collected as part of the sampling event. There were 17 VOCs that were detected in the ambient air sample.

3.5 Summary of Findings

Tetra Tech performed a Phase II ESA consisting of a limited geophysical survey; the completion of 40 soil borings, installation of 11 temporary monitoring wells and 13 soil vapor intrusion sampling points, and sampling of the soil, groundwater, soil vapor and ambient air for parameters of environmental concern. The results of the Phase II ESI are as follows:

- No PCBs were detected in soil samples collected during the Phase II ESA. Ten VOCs, pesticides/herbicides, , metals and total cyanide were detected in samples across the Site, although not at concentrations that exceeded Industrial Use SCOs. 1,4-dioxane and PFAS were detected in one and four samples, respectively. Two SVOCs, benzo(a)pyrene and dibenzo(a,h)anthracene, were detected above Industrial Use SCOs in seven soil boring locations and eight soil samples (including 1 duplicate sample). These constituents were detected in sample locations TT-SB-05, TT-SB-07, TT-SB-12, TT-SB-13, , TT-SB-38, TT-SB-39, TT-SB-40, and S-DUP-02 (collected at TT-SB-24).

- No pesticides/herbicides, or PCBS were detected in groundwater. One VOC (benzene) was detected, but not at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values. 1,4 dioxane and PFAS were detected at several groundwater samples. SVOCs were detected in seven groundwater samples, and five SVOCs were detected at concentrations

above the NYSDEC Ambient Water Quality Standards and Guidance Values at three locations. The SVOCs exceeding standards included benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. These SVOCs were detected above standards in sample locations TT-SB-13GW, TT-SB-30GW, and TT-SB-31GW. Metals were detected in all analyzed groundwater samples. Excluding commonly occurring metals such as aluminum, iron, calcium, sodium, and magnesium, six metals were detected at concentrations above the NYSDEC Ambient Water Quality Standards and Guidance Values at six locations. The metals exceeding standards included antimony, arsenic, beryllium, chromium, manganese, and nickel. These metals were detected above standards in sample locations TT-SB-02GW, TT-SB-06GW, TT-SB-20GW, TT-SB-23GW, TT-SB-27GW, and TT-SB-30GW.

- The soil vapor intrusion investigation indicated that 46 of the 68 analyzed VOCs were detected at 13 of the soil vapor intrusion sample locations. VOCs that were detected at elevated concentrations included benzene, cyclohexane, ethylbenzene, heptane, hexane, methyl ethyl ketone, toluene, and xylenes (total).

4.0 CONCLUSIONS AND RECOMENDATIONS

Based on the results of Tetra Tech's Phase II ESA, Tetra Tech concludes that there are exceedances of the applicable regulatory standards for VOCs, SVOCs, and metals in Site soils, groundwater, and soil vapor. Therefore, this site should be considered for entry into the New York Brownfield Cleanup Program.

5.0 REFERENCES

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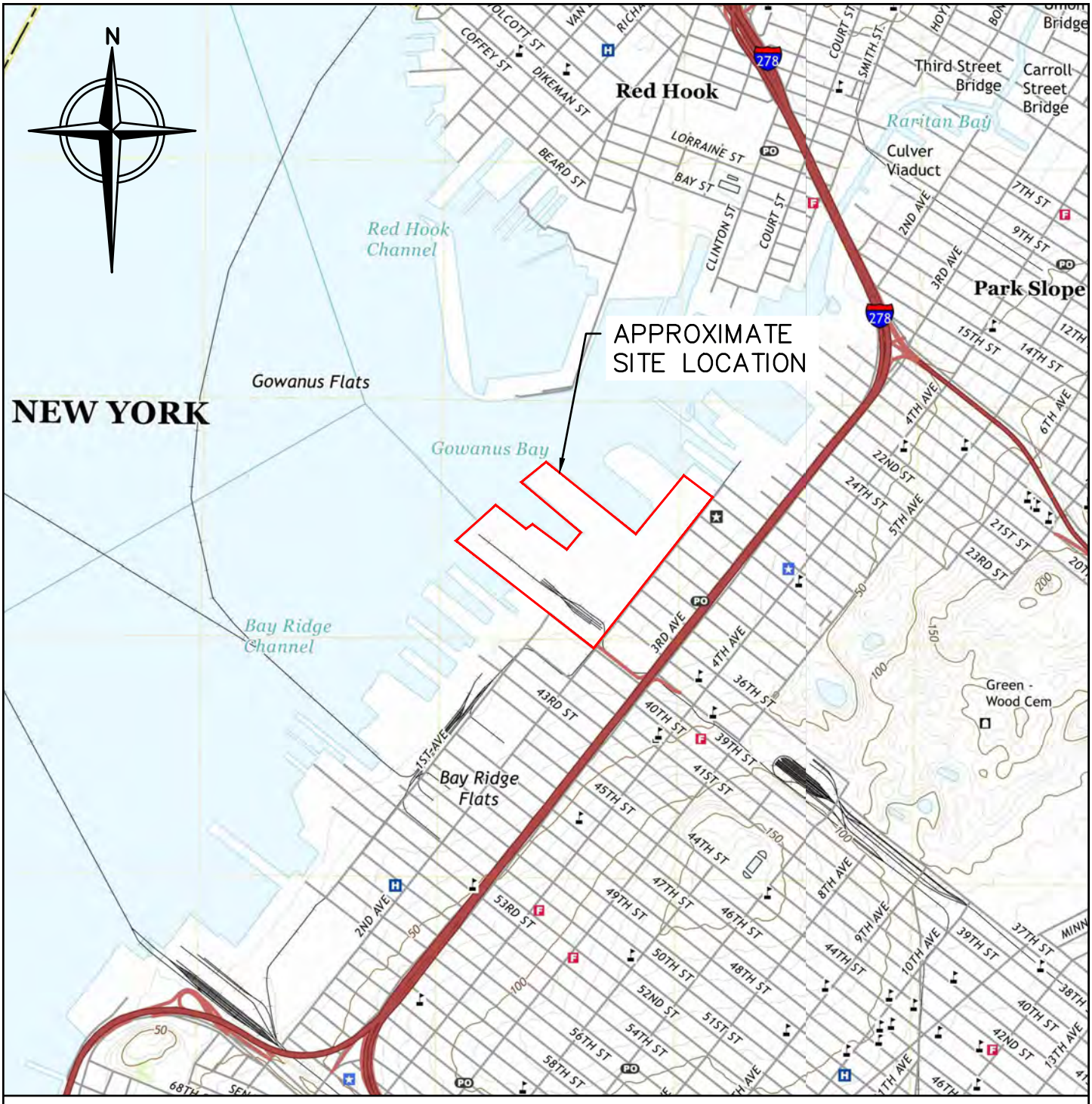
FIGURES



TETRA TECH

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FIGURE 1 - SITE LOCATION MAP

SOUTH BROOKLYN MARINE
TERMINAL
2ND AVENUE
BROOKLYN, NY 11232

equinor

EQUINOR WIND US LLC
120 LONG RIDGE ROAD, SUITE 3EO1
STAMFORD, CT 06902

Soil Boring Location	TT-SB-38
Laboratory Sample ID	JD36272-1
Sample Depth in feet bgs	7.5-9.5
Sampling Date	12/6/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1130

Soil Boring Location	TT-SB-39
Laboratory Sample ID	JD36272-2
Sample Depth in feet bgs	6.5-8.5
Sampling Date	12/6/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1300

Soil Boring Location	TT-SB-40
Laboratory Sample ID	JD36272-3
Sample Depth in feet bgs	6.0-8.0
Sampling Date	12/6/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1970

Soil Boring Location	TT-SB-05
Laboratory Sample ID	JD35782-1
Sample Depth in feet bgs	6.5-8.5
Sampling Date	11/19/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1160

Soil Boring Location	TT-SB-07
Laboratory Sample ID	JD35782-4
Sample Depth in feet bgs	6.0-8.0
Sampling Date	11/22/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1850

Location ID	TT-SB-06GW
Laboratory Sample ID	JD36309-2A
Sampling Date	12/7/2021
Metals (ug/L)	
Manganese	6880

Location ID	TT-SB-13GW
Laboratory Sample ID	JD36309-1
Sampling Date	12/7/2021
Semi Volatile Organic Compounds (ug/L)	
Benzo(a)anthracene	0.76 J
Benzo(b)fluoranthene	0.90 J
Benzo(k)fluoranthene	0.38 J
Chrysene	0.64 J
Indeno(1,2,3-cd)Pyrene	0.57 J

Location ID	TT-SB-02GW
Laboratory Sample ID	JD36309-3
Sampling Date	12/7/2021
Metals (ug/L)	
Manganese	2210

Soil Boring Location	SDUP-02 (TT-SB-24)
Laboratory Sample ID	JD36084-5
Sample Depth in feet bgs	6.5-8.5
Sampling Date	12/1/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	1560

Soil Boring Location	TT-SB-12
Laboratory Sample ID	JD35850-2
Sample Depth in feet bgs	7.0-9.0
Sampling Date	11/24/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	9330

Location ID	TT-SB-23GW
Laboratory Sample ID	JD36297-6
Sampling Date	12/7/2021
Metals (ug/L)	
Arsenic	66.6
Beryllium	7.1
Chromium	140
Manganese	10700
Nickel	206

Location ID	TT-SB-31GW
Laboratory Sample ID	JD36297-1
Sampling Date	12/6/2021
Semi Volatile Organic Compounds (ug/L)	
Benzo(a)anthracene	0.47 J
Benzo(b)fluoranthene	0.61 J
Benzo(k)fluoranthene	0.21 J
Chrysene	0.37 J
Indeno(1,2,3-cd)Pyrene	1.1

Soil Boring Location	TT-SB-13
Laboratory Sample ID	JD35939-1
Sample Depth in feet bgs	7.5-9.5
Sampling Date	11/29/2021
Semi Volatile Organic Compounds (ug/kg)	
Benzo(a)pyrene	9080
Dibenzo(a,h)anthracene	1530

Location ID	TT-SB-20GW
Laboratory Sample ID	JD36297-4
Sampling Date	12/6/2021
Metals (ug/L)	
Antimony	6.2
Manganese	4550

Location ID	TT-SB-27GW
Laboratory Sample ID	JD36297-3
Sampling Date	12/6/2021
Metals (ug/L)	
Manganese	2150

Location ID	TT-SB-30GW
Laboratory Sample ID	JD36297-2
Sampling Date	12/6/2021
Semi Volatile Organic Compounds (ug/L)	
Indeno(1,2,3-cd)Pyrene	0.73 J
Metals (ug/L)	
Manganese	2770

AECOM-B-5
AECOM-B-11
SBMT-SB-4
TT-SB-36
TT-SB-35
SBMT-SB-6/
SBMT-TW-4
SBMT-SB-7
TT-SB-18
TT-SB-14
BLOCK 662
LOT 130
1ST AVENUE
BLOCK 662
LOT 155
SBMT-SB-8
AECOM-B-6
TT-SB-15
AECOM-B-7
TT-SB-19
SBMT-SB-10
AECOM-B-9
TT-SB-17
AECOM-B-8
AECOM-B-10
TT-SB-16
BLOCK 662
LOT 137
SBMT-SB-9/
SBMT-TW-5/
SBMT-VP-5
BLOCK 662
LOT 136
39TH STREET
37TH STREET
BLOCK 662
LOT 1
SBMT-SB-12/
SBMT-TW-6/
SBMT-VP-6
SBMT-SB-11
TT-SB-21
2ND AVENUE

equinor

TETRA TECH

0 ½" 1"

Tables

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-01	TT-SB-02	TT-SB-03	TT-SB-04	TT-SB-05	S DUP-01	TT-SB-06	TT-SB-07
Sample Depth in feet bgs	Commercial	Industrial	5.5-6.0	7.0-9.0	7.0-9.0	7.5-9.5	6.5-8.5		5.0-7.0	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/18/2021	11/18/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/22/2021	11/22/2021
Volatile Organic Compounds (ug/kg)										
Acetone	500000	1000000	ND (4.1)	ND (4.6)	ND (4.0)	5.5 J	18.8	20.7	10.2	8.9 J
Benzene	44000	89000	ND (0.46)	ND (0.51)	ND (0.44)	ND (0.42)	ND (0.49)	ND (0.42)	ND (0.39)	3.8
Bromochloromethane	-	-	ND (0.56)	ND (0.63)	ND (0.54)	ND (0.52)	ND (0.60)	ND (0.52)	ND (0.48)	ND (0.60)
Bromodichloromethane	-	-	ND (0.43)	ND (0.48)	ND (0.41)	ND (0.40)	ND (0.46)	ND (0.40)	ND (0.37)	ND (0.46)
Bromoform	-	-	ND (1.4) [a]	ND (1.5) [a]	ND (1.3) [a]	ND (1.3)	ND (1.5)	ND (1.3)	ND (1.2)	ND (1.4)
Bromomethane	-	-	ND (0.76)	ND (0.85)	ND (0.73)	ND (0.71) [a]	ND (0.82)	ND (0.71)	ND (0.65)	ND (0.81)
2-Butanone (MEK)	500000	1000000	ND (2.4)	ND (2.7)	ND (2.3)	ND (2.3)	ND (2.6)	ND (2.3)	ND (2.1)	ND (2.6)
Carbon disulfide	-	-	ND (0.54)	ND (0.60)	ND (0.51)	ND (0.50)	0.76 J	1.2 J	ND (0.46)	0.68 J
Carbon tetrachloride	22000	44000	ND (0.62)	ND (0.69)	ND (0.59)	ND (0.57)	ND (0.66)	ND (0.58)	ND (0.53)	ND (0.66)
Chlorobenzene	500000	1000000	ND (0.46)	ND (0.51)	ND (0.44)	ND (0.43)	ND (0.49)	ND (0.43)	ND (0.39)	ND (0.49)
Chloroethane	-	-	ND (0.59)	ND (0.66)	ND (0.57)	ND (0.55)	ND (0.63) [a]	ND (0.55) [a]	ND (0.51) [a]	ND (0.63) [a]
Chloroform	350000	700000	ND (0.52)	ND (0.58)	ND (0.50)	ND (0.48)	ND (0.56)	ND (0.48)	ND (0.44)	ND (0.55)
Chloromethane	-	-	ND (2.0)	ND (2.2)	ND (1.9)	ND (1.8)	ND (2.1)	ND (1.8)	ND (1.7)	ND (2.1)
Cyclohexane	-	-	ND (0.66)	ND (0.73)	ND (0.63)	ND (0.61)	ND (0.70)	ND (0.61)	ND (0.56)	ND (0.70)
1,2-Dibromo-3-chloropropane	-	-	ND (0.69)	ND (0.78)	ND (0.66)	ND (0.64)	ND (0.74)	ND (0.65)	ND (0.59)	ND (0.74)
Dibromochloromethane	-	-	ND (0.56)	ND (0.63)	ND (0.54)	ND (0.52)	ND (0.60)	ND (0.52)	ND (0.48)	ND (0.60)
1,2-Dibromoethane	-	-	ND (0.42)	ND (0.47)	ND (0.40)	ND (0.39)	ND (0.45)	ND (0.39)	ND (0.36)	ND (0.45)
1,2-Dichlorobenzene	500000	1000000	ND (0.55)	ND (0.61)	ND (0.52)	ND (0.51)	ND (0.59) [b]	ND (0.51) [b]	ND (0.47) [b]	ND (0.58) [b]
1,3-Dichlorobenzene	280000	560000	ND (0.50)	ND (0.55)	ND (0.47)	ND (0.46)	ND (0.53) [b]	ND (0.46) [b]	ND (0.42) [b]	ND (0.53) [b]
1,4-Dichlorobenzene	130000	250000	ND (0.49)	ND (0.55)	ND (0.47)	ND (0.46)	ND (0.53)	ND (0.46)	ND (0.42)	ND (0.53)
Dichlorodifluoromethane	-	-	ND (0.73)	ND (0.81)	ND (0.70)	ND (0.67)	ND (0.78)	ND (0.68)	ND (0.62)	ND (0.77)
1,1-Dichloroethane	240000	480000	ND (0.50)	ND (0.55)	ND (0.47)	ND (0.46)	ND (0.53)	ND (0.46)	ND (0.42)	ND (0.53)
1,2-Dichloroethane	30000	60000	ND (0.47)	ND (0.53)	ND (0.45)	ND (0.44)	ND (0.50)	ND (0.44)	ND (0.40)	ND (0.50)
1,1-Dichloroethene	500000	1000000	ND (0.66)	ND (0.73)	ND (0.63)	ND (0.61)	ND (0.70)	ND (0.61)	ND (0.56)	ND (0.70)
cis-1,2-Dichloroethene	500000	1000000	ND (0.84)	ND (0.94)	ND (0.80)	ND (0.78)	ND (0.90)	ND (0.78)	ND (0.72)	ND (0.89)
trans-1,2-Dichloroethene	500000	1000000	ND (0.61)	ND (0.68)	ND (0.58)	ND (0.57)	ND (0.66)	ND (0.57)	ND (0.52)	ND (0.65)
1,2-Dichloropropane	-	-	ND (0.47)	ND (0.53)	ND (0.45)	ND (0.44)	ND (0.51)	ND (0.44)	ND (0.41)	ND (0.50)
cis-1,3-Dichloropropene	-	-	ND (0.48)	ND (0.53)	ND (0.45)	ND (0.44)	ND (0.51)	ND (0.44)	ND (0.41)	ND (0.51)
trans-1,3-Dichloropropene	-	-	ND (0.46)	ND (0.51)	ND (0.44)	ND (0.42)	ND (0.49)	ND (0.43)	ND (0.39)	ND (0.49)
Ethylbenzene	390000	780000	ND (0.45)	ND (0.51)	ND (0.43)	ND (0.42)	ND (0.49)	ND (0.42)	ND (0.39)	ND (0.48)
Freon 113	-	-	ND (2.7)	ND (3.0)	ND (2.6)	ND (2.5)	ND (2.9)	ND (2.5)	ND (2.3)	ND (2.8)
2-Hexanone	-	-	ND (2.1)	ND (2.4)	ND (2.0)	ND (2.0)	ND (2.3)	ND (2.0)	ND (1.8)	ND (2.3)
Isopropylbenzene	-	-	ND (1.4)	ND (1.6)	ND (1.4)	ND (1.3)	ND (1.5)	ND (1.3)	ND (1.2)	ND (1.5)
Methyl Acetate	-	-	ND (1.4)	ND (1.6)	ND (1.3)	ND (1.3)	ND (1.5)	ND (1.3)	ND (1.2)	ND (1.5)
Methylcyclohexane	-	-	ND (0.88)	ND (0.98)	ND (0.84)	ND (0.81)	ND (0.94)	ND (0.82)	ND (0.75)	ND (0.93)
Methyl Tert Butyl Ether	500000	1000000	ND (0.47)	ND (0.52)	ND (0.45)	ND (0.43)	ND (0.50)	ND (0.44)	ND (0.40)	ND (0.50)
4-Methyl-2-pentanone(MIBK)	-	-	ND (2.3)	ND (2.5)	ND (2.2)	ND (2.1)	ND (2.4)	ND (2.1)	ND (1.9)	ND (2.4)
Methylene chloride	500000	1000000	ND (2.6)	ND (2.9)	ND (2.5)	ND (2.4)	ND (2.8)	ND (2.4)	ND (2.2)	ND (2.8)
Styrene	-	-	ND (0.40)	ND (0.45)	ND (0.38)	ND (0.37)	ND (0.43)	ND (0.38)	ND (0.34)	ND (0.43)
1,1,2,2-Tetrachloroethane	-	-	ND (0.60)	ND (0.67)	ND (0.57)	ND (0.56)	ND (0.64)	ND (0.56)	ND (0.51)	ND (0.64)
Tetrachloroethene	150000	300000	ND (0.58)	ND (0.65)	ND (0.56)	ND (0.54)	ND (0.62)	ND (0.54)	ND (0.50)	ND (0.62)
Toluene	500000	1000000	ND (0.53)	ND (0.59)	ND (0.50)	ND (0.49)	ND (0.56)	ND (0.49)	ND (0.45)	1.5
1,2,3-Trichlorobenzene	-	-	ND (2.5)	ND (2.8)	ND (2.4)	ND (2.3)	ND (2.7)	ND (2.3)	ND (2.1)	ND (2.7)
1,2,4-Trichlorobenzene	-	-	ND (2.5)	ND (2.8)	ND (2.4)	ND (2.3)	ND (2.7)	ND (2.3)	ND (2.1)	ND (2.7)
1,1,1-Trichloroethane	500000	1000000	ND (0.48)	ND (0.54)	ND (0.46)	ND (0.45)	ND (0.52)	ND (0.45)	ND (0.41)	ND (0.51)
1,1,2-Trichloroethane	-	-	ND (0.55)	ND (0.62)	ND (0.53)	ND (0.51)	ND (0.59)	ND (0.52)	ND (0.47)	ND (0.59)
Trichloroethene	200000	400000	ND (0.76)	ND (0.85)	ND (0.73)	ND (0.71)	ND (0.82)	ND (0.71)	ND (0.65)	ND (0.81)
Trichlorofluoromethane	-	-	ND (0.68)	ND (0.76)	ND (0.65)	ND (0.63)	ND (0.73) [c]	ND (0.64) [c]	ND (0.59) [c]	ND (0.73) [c]
Vinyl chloride	13000	27000	ND (0.48)	ND (0.54)	ND (0.46)	ND (0.45)	ND (0.52)	ND (0.45)	ND (0.41)	ND (0.51)
m,p-Xylene	-	-	ND (0.90)	ND (1.0)	ND (0.86)	ND (0.83)	ND (0.96)	ND (0.84)	ND (0.77)	ND (0.95)
o-Xylene	-	-	ND (0.46)	ND (0.51)	ND (0.44)	ND (0.42)	ND (0.49)	0.51 J	ND (0.39)	ND (0.49)
Xylene (total)	500000	1000000	ND (0.46)	ND (0.51)	ND (0.44)	ND (0.42)	ND (0.49)	0.51 J	ND (0.39)	ND (0.49)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-01	TT-SB-02	TT-SB-03	TT-SB-04	TT-SB-05	S DUP-01	TT-SB-06	TT-SB-07
Sample Depth in feet bgs	Commercial	Industrial	5.5-6.0	7.0-9.0	7.0-9.0	7.5-9.5	6.5-8.5		5.0-7.0	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/18/2021	11/18/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/22/2021	11/22/2021
PFAS Compounds (ug/kg)										
Perfluorobutanoic acid	-	-	ND (0.43)	ND (0.41)	ND (0.40)	ND (0.39)	ND (0.49)	ND (0.44)	ND (0.40)	ND (0.42)
Perfluoropentanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorohexanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluoroheptanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorooctanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorononanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorodecanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluoroundecanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorododecanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorotridecanoic acid	-	-	ND (0.30)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.34)	ND (0.31)	ND (0.28)	ND (0.29)
Perfluorotetradecanoic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorobutanesulfonic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorohexanesulfonic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluoroheptanesulfonic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorooctanesulfonic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Perfluorodecanesulfonic acid	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
PFOSA	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
MeFOSAA	-	-	ND (0.56)	ND (0.54)	ND (0.53)	ND (0.51)	ND (0.64)	ND (0.58)	ND (0.53)	ND (0.55)
EtFOSAA	-	-	ND (0.56)	ND (0.54)	ND (0.53)	ND (0.51)	ND (0.64)	ND (0.58)	ND (0.53)	ND (0.55)
6:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
8:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.27)	ND (0.26)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.27)	ND (0.28)
Semi Volatile Organic Compounds (ug/kg)										
2-Chlorophenol	-	-	ND (18)	ND (18)	ND (17)	ND (17)	ND (21)	ND (18)	ND (18)	ND (19)
4-Chloro-3-methyl phenol	-	-	ND (22)	ND (22)	ND (21)	ND (21)	ND (26)	ND (23)	ND (22)	ND (23)
2,4-Dichlorophenol	-	-	ND (31)	ND (31)	ND (29)	ND (29)	ND (36)	ND (31)	ND (31)	ND (32)
2,4-Dimethylphenol	-	-	ND (65)	ND (65)	ND (61)	ND (60)	ND (75)	ND (65)	ND (65)	ND (67)
2,4-Dinitrophenol	-	-	ND (140) [a]	ND (140) [b]	ND (130) [a]	ND (130) [a]	ND (160) [a]	ND (140) [a]	ND (140) [a]	ND (140) [a]
4,6-Dinitro-o-cresol	-	-	ND (39) [a]	ND (39) [b]	ND (37) [a]	ND (36) [a]	ND (45) [a]	ND (39) [a]	ND (39) [a]	ND (40) [a]
2-Methylphenol	-	-	ND (23)	ND (23)	ND (22)	ND (22)	ND (27)	ND (23)	ND (23)	ND (24)
3&4-Methylphenol	-	-	ND (30)	ND (30)	ND (28)	ND (28)	ND (35)	ND (30)	ND (30)	ND (31)
2-Nitrophenol	-	-	ND (24) [a]	ND (24) [b]	ND (23)	ND (22)	ND (28) [a]	ND (24) [a]	ND (24) [a]	ND (25) [a]
4-Nitrophenol	-	-	ND (97)	ND (97)	ND (92)	ND (90)	ND (110)	ND (98)	ND (97)	ND (100)
Pentachlorophenol	6700	55000	ND (34)	ND (34)	ND (32)	ND (32)	ND (40)	ND (35)	ND (34)	ND (35)
Phenol	-	-	ND (19)	ND (19)	ND (18)	ND (18)	ND (22)	ND (19)	ND (19)	ND (20)
2,3,4,6-Tetrachlorophenol	-	-	ND (24)	ND (24) [b]	ND (23)	ND (22)	ND (28)	ND (24)	ND (24)	ND (25)
2,4,5-Trichlorophenol	-	-	ND (27)	ND (27)	ND (26)	ND (25)	ND (32)	ND (28)	ND (27)	ND (28)
2,4,6-Trichlorophenol	-	-	ND (22)	ND (22)	ND (21)	ND (20)	ND (25)	ND (22)	ND (22)	ND (22)
Acenaphthene	500000	1000000	14.8 J	31.0 J	ND (12)	ND (12)	237	144	ND (13)	307
Acenaphthylene	500000	1000000	28.5 J	ND (19)	ND (17)	ND (17)	178	157	ND (18)	203
Acetophenone	-	-	ND (7.8)	ND (7.9) [b]	ND (7.4)	ND (7.2)	ND (9.1) [a]	ND (7.9) [a]	ND (7.8) [a]	23.5 J [d]
Anthracene	500000	1000000	45.4	88.1	ND (21)	ND (21)	528	360	ND (22)	790
Atrazine	-	-	ND (16)	ND (16) [c]	ND (15) [a]	ND (14) [a]	ND (18) [a]	ND (16) [a]	ND (16) [a]	ND (16) [a]
Benzo(a)anthracene	5600	11000	127	230	14.8 J	27.6 J	1270	861	33.5 J	2120
Benzo(a)pyrene	1000	1100	121	192	ND (16)	25.0 J	**1160**	746	40	**1850**
Benzo(b)fluoranthene	5600	11000	172	250	15.2 J	36.7	1370	942	44.6	2370
Benzo(g,h,i)perylene	500000	1000000	88.9	106	ND (17)	ND (17)	690	432	22.2 J	1050
Benzo(k)fluoranthene	56000	110000	59	98.3	ND (16)	ND (16)	571	387	20.1 J	902
4-Bromophenyl phenyl ether	-	-	ND (14)	ND (14)	ND (13)	ND (13)	ND (16)	ND (14)	ND (14)	ND (14)
Butyl benzyl phthalate	-	-	ND (8.9)	ND (8.9)	ND (8.4)	ND (8.2)	ND (10)	ND (9.0)	ND (8.9)	ND (9.1)
1,1'-Biphenyl	-	-	69.4 J	ND (5.0)	ND (4.7)	ND (4.6)	28.8 J	16.1 J	ND (5.0)	37.9 J
Benzaldehyde	-	-	ND (9.0)	ND (9.1)	ND (8.5)	ND (8.3)	ND (10)	ND (9.1)	ND (9.0)	ND (9.3)
2-Chloronaphthalene	-	-	ND (8.7)	ND (8.7)	ND (8.2)	ND (8.0)	ND (10)	ND (8.7)	ND (8.7)	ND (8.9)
4-Chloroaniline	-	-	ND (13)	ND (13)	ND (12)	ND (12)	ND (15)	ND (13)	ND (13)	ND (13)
Carbazole	-	-	20.4 J	28.5 J	ND (5.0)	ND (4.9)	158	108	ND (5.3)	273
Caprolactam	-	-	ND (14)	ND (14)	ND (14)	ND (13)	ND (17)	ND (15)	ND (14)	ND (15)
Chrysene	56000	110000	157	230	12.3 J	27.7 J	1430	926	30.8 J	2330
bis(2-Chloroethoxy)methane	-	-	ND (7.8)	ND (7.8)	ND (7.4)	ND (7.2)	ND (9.0)	ND (7.9)	ND (7.8)	ND (8.0)
bis(2-Chloroethyl)ether	-	-	ND (16)	ND (16)	ND (15)	ND (15)	ND (18)	ND (16)	ND (16)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (13)	ND (13)	ND (12)	ND (12)	ND (15)	ND (13)	ND (13)	ND (13)
4-Chlorophenyl phenyl ether	-	-	ND (12)	ND (12)	ND (11)	ND (11)	ND (14)	ND (12)	ND (12)	ND (12)
2,4-Dinitrotoluene	-	-	ND (11)	ND (11) [b]	ND (11) [a]	ND (10) [a]	ND (13) [a]	ND (11) [a]	ND (11) [a]	ND (12) [a]

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-01	TT-SB-02	TT-SB-03	TT-SB-04	TT-SB-05	S DUP-01	TT-SB-06	TT-SB-07
Sample Depth in feet bgs	Commercial	Industrial	5.5-6.0	7.0-9.0	7.0-9.0	7.5-9.5	6.5-8.5		5.0-7.0	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/18/2021	11/18/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/22/2021	11/22/2021
2,6-Dinitrotoluene	-	-	ND (18)	ND (18)	ND (17)	ND (17)	ND (21)	ND (18)	ND (18)	ND (19)
3,3'-Dichlorobenzidine	-	-	ND (30)	ND (30)	ND (29)	ND (28)	ND (35)	ND (31)	ND (30)	ND (31)
1,4-Dioxane	-	-	ND (24)	ND (24)	ND (23)	ND (22)	ND (28)	ND (24)	ND (24)	ND (25)
Dibenzo(a,h)anthracene	560	1100	24.3 J	35.4 J	ND (15)	ND (15)	204	139	ND (16)	338
Dibenzofuran	350000	1000000	25.0 J	16.2 J	ND (14)	ND (14)	169	87.5	ND (15)	223
Di-n-butyl phthalate	-	-	ND (5.9)	ND (6.0)	ND (5.6)	ND (5.5)	ND (6.9)	ND (6.0)	ND (5.9)	ND (6.1)
Di-n-octyl phthalate	-	-	ND (9.1)	ND (9.1)	ND (8.6)	ND (8.4)	ND (11)	ND (9.1)	ND (9.1)	ND (9.3)
Diethyl phthalate	-	-	ND (7.8)	ND (7.8)	ND (7.3)	ND (7.2)	ND (9.0)	ND (7.8)	ND (7.8)	ND (8.0)
Dimethyl phthalate	-	-	ND (6.5)	ND (6.5)	ND (6.1)	ND (6.0)	ND (7.5)	ND (6.5)	ND (6.5)	ND (6.7)
bis(2-Ethylhexyl)phthalate	-	-	139	99.5	ND (8.0)	34.5 J	173	1170	ND (8.5)	173
Fluoranthene	500000	1000000	216	463	19.6 J	47.2	2600	1790	52.6	3770
Fluorene	500000	1000000	21.3 J	39.4	ND (16)	ND (15)	269	175	ND (17)	243
Hexachlorobenzene	6000	12000	ND (9.2)	ND (9.2)	ND (8.7)	ND (8.5)	ND (11)	ND (9.3)	ND (9.2)	ND (9.5)
Hexachlorobutadiene	-	-	ND (15)	ND (15) [b]	ND (14)	ND (14)	ND (17) [a]	ND (15) [a]	ND (15) [a]	ND (15) [a]
Hexachlorocyclopentadiene	-	-	ND (14)	ND (15)	ND (14)	ND (13)	ND (17)	ND (15)	ND (14)	ND (15)
Hexachloroethane	-	-	ND (18)	ND (18)	ND (17)	ND (17)	ND (21)	ND (18)	ND (18)	ND (19)
Indeno(1,2,3-cd)pyrene	5600	11000	119	127	ND (16)	19.0 J	881	558	28.7 J	1350
Isophorone	-	-	ND (7.8)	ND (7.8)	ND (7.4)	ND (7.2)	ND (9.0)	ND (7.9)	ND (7.8)	ND (8.0)
2-Methylnaphthalene	-	-	298	13.4 J	ND (7.8)	ND (7.6)	76.1	40.5	ND (8.2)	139
2-Nitroaniline	-	-	ND (8.6)	ND (8.6) [b]	ND (8.1)	ND (7.9)	ND (10) [a]	ND (8.7) [a]	ND (8.6) [a]	ND (8.8) [a]
3-Nitroaniline	-	-	ND (9.1)	ND (9.1)	ND (8.6)	ND (8.4)	ND (11)	ND (9.2)	ND (9.1)	ND (9.4)
4-Nitroaniline	-	-	ND (9.4)	ND (9.5)	ND (8.9)	ND (8.7)	ND (11)	ND (9.5)	ND (9.4)	ND (9.7)
Naphthalene	500000	1000000	160	10.6 J	ND (9.7)	ND (9.5)	201	93.3	ND (10)	245
Nitrobenzene	-	-	ND (14)	ND (14)	ND (13)	ND (13)	ND (16)	ND (14)	ND (14)	ND (14)
N-Nitroso-di-n-propylamine	-	-	ND (11)	ND (11) [b]	ND (9.9)	ND (9.7)	ND (12) [a]	ND (11) [a]	ND (11) [a]	ND (11) [a]
N-Nitrosodiphenylamine	-	-	ND (13)	ND (13)	ND (13)	ND (12)	ND (15)	ND (13)	ND (13)	ND (14)
Phenanthrene	500000	1000000	181	356	15.2 J	26.1 J	1720	1190	17.2 J	2680
Pyrene	500000	1000000	224	446	22.6 J	51.9	2790	1850	59.8	3930
1,2,4,5-Tetrachlorobenzene	-	-	ND (9.2)	ND (9.3)	ND (8.7)	ND (8.6)	ND (11)	ND (9.3)	ND (9.2)	ND (9.5)
1,4 Dioxane (ug/kg)										
1,4-Dioxane	-	-	ND (1.8)	ND (1.8)	ND (1.7)	ND (1.7)	ND (2.1)	ND (1.8)	ND (1.8)	ND (1.9)
Pesticides and herbicides (ug/kg)										
Aldrin	680	1400	ND (0.55)	ND (0.61)	ND (0.56)	ND (0.58)	ND (0.70)	1.5 [e]	ND (0.57)	2.1 [e]
alpha-BHC	3400	6800	ND (0.54)	ND (0.61)	ND (0.55)	ND (0.57)	ND (0.69)	ND (0.62)	ND (0.57)	1.1 [e]
beta-BHC	3000	14000	ND (0.60)	ND (0.67)	ND (0.61)	ND (0.63)	ND (0.76)	ND (0.69)	ND (0.63)	ND (0.63)
delta-BHC	500000	1000000	ND (0.64)	ND (0.72)	ND (0.65)	ND (0.67)	ND (0.81)	ND (0.73)	ND (0.67)	ND (0.67)
gamma-BHC (Lindane)	9200	23000	ND (0.49)	ND (0.55)	ND (0.50)	ND (0.52)	2.8 [e]	7.9 [e]	ND (0.51)	9.5 [e]
alpha-Chlordane	24000	47000	ND (0.54)	ND (0.60)	ND (0.54)	ND (0.56)	ND (0.68)	6.9	ND (0.56)	21.3
gamma-Chlordane	-	-	ND (0.30)	ND (0.34)	ND (0.31)	ND (0.32)	2.5 [e]	4.9 [e]	ND (0.32)	23.5
Dieldrin	1400	28000	ND (0.46)	ND (0.51)	ND (0.46)	ND (0.48)	ND (0.58)	1.6 [e]	ND (0.48)	1.0 [e]
4,4'-DDD	92000	180000	ND (0.61)	ND (0.68)	ND (0.62)	1.4	20.2	29.5	ND (0.64)	5.7 [e]
4,4'-DDE	62000	120000	1.5	ND (0.65)	ND (0.59)	0.9	5.8	9	ND (0.61)	4.1
4,4'-DDT	47000	94000	ND (0.59)	ND (0.66)	ND (0.60)	7.3	2.2 [e]	4.5 [e]	ND (0.62)	4.2 [e]
Endrin	89000	410000	ND (0.52)	ND (0.58)	ND (0.52)	ND (0.54)	ND (0.66)	0.92 [e]	ND (0.54)	ND (0.54)
Endosulfan sulfate	200000	920000	ND (0.52)	ND (0.58)	ND (0.53)	ND (0.55)	ND (0.66)	ND (0.59)	ND (0.54)	ND (0.54)
Endrin aldehyde	-	-	ND (0.38)	ND (0.42)	ND (0.38)	ND (0.40)	ND (0.48)	ND (0.43)	ND (0.39)	ND (0.40)
Endosulfan-I	200000	920000	ND (0.38)	ND (0.43)	ND (0.39)	ND (0.40)	ND (0.49)	ND (0.44)	ND (0.40)	ND (0.40)
Endosulfan-II	200000	920000	ND (0.42)	ND (0.46)	ND (0.42)	ND (0.44)	ND (0.53)	4.8	ND (0.43)	ND (0.43)
Heptachlor	15000	29000	ND (0.58)	ND (0.64)	ND (0.58)	ND (0.60)	ND (0.73)	ND (0.66)	ND (0.60)	ND (0.60)
Heptachlor epoxide	-	-	ND (0.47)	ND (0.52)	ND (0.47)	ND (0.49)	ND (0.59)	ND (0.53)	ND (0.49)	1.5
Methoxychlor	-	-	ND (0.53)	ND (0.59)	ND (0.54)	ND (0.56)	ND (0.67)	ND (0.61)	ND (0.55)	ND (0.55)
Endrin ketone	-	-	ND (0.48)	ND (0.54)	ND (0.49)	ND (0.51)	ND (0.61)	ND (0.55)	ND (0.50)	3.3 [e]
Toxaphene	-	-	ND (16)	ND (17)	ND (16)	ND (16)	ND (20)	ND (18)	ND (16)	ND (16)
2,4-D	-	-	ND (7.9)	ND (8.3)	ND (7.8)	ND (7.8)	ND (36)	ND (31)	ND (8.1)	ND (33)
2,4,5-TP (Silvex)	500000	1000000	ND (2.0)	ND (2.1)	ND (2.0)	ND (2.0)	ND (9.2)	ND (7.8)	ND (2.1)	ND (8.4)
2,4,5-T	-	-	3.6	ND (1.8)	ND (1.7)	ND (1.7)	ND (8.1)	ND (6.9)	ND (1.8) [a]	ND (7.4)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-01	TT-SB-02	TT-SB-03	TT-SB-04	TT-SB-05	S DUP-01	TT-SB-06	TT-SB-07
Sample Depth in feet bgs	Commercial	Industrial	5.5-6.0	7.0-9.0	7.0-9.0	7.5-9.5	6.5-8.5		5.0-7.0	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/18/2021	11/18/2021	11/19/2021	11/19/2021	11/19/2021	11/19/2021	11/22/2021	11/22/2021
PCBs (ug/kg)										
Aroclor 1016	1000	25000	ND (16)	ND (17) [a]	ND (16) [a]	ND (16) [a]	ND (20)	ND (18)	ND (16)	ND (16)
Aroclor 1221	1000	25000	ND (21)	ND (23)	ND (21)	ND (22)	ND (26)	ND (24)	ND (22)	ND (22)
Aroclor 1232	1000	25000	ND (21)	ND (24)	ND (22)	ND (22)	ND (27)	ND (24)	ND (22)	ND (22)
Aroclor 1242	1000	25000	ND (14)	ND (15)	ND (14)	ND (14)	ND (17)	ND (16)	ND (14)	ND (14)
Aroclor 1248	1000	25000	ND (30)	ND (33)	ND (30)	ND (31)	ND (38)	ND (34)	ND (31)	ND (31)
Aroclor 1254	1000	25000	ND (18)	ND (20)	ND (18)	ND (19)	ND (23)	ND (20)	ND (19)	ND (19)
Aroclor 1260	1000	25000	ND (14)	ND (16) [a]	ND (14) [a]	ND (15) [a]	ND (18)	ND (16)	ND (15)	ND (15)
Aroclor 1268	1000	25000	ND (14)	ND (16)	ND (14)	ND (15)	ND (18)	ND (16)	ND (15)	ND (15)
Aroclor 1262	1000	25000	ND (22)	ND (24)	ND (22)	ND (23)	ND (28)	ND (25)	ND (23)	ND (23)
Metals (mg/kg)										
Aluminum	-	-	6820	7900	3240	4340	5910	5420	4600	4920
Antimony	-	-	<2.3	<2.3	<2.0	<2.0	<1.7	<2.2	<2.2	<2.2
Arsenic	16	16	10.3	6.2	2.6	2.9	4.7	4.3	2.2	5.7
Barium	400	10000	114	90.8	<20	39	**658**	**812**	37.1	92.5
Beryllium	590	2700	0.62	0.45	0.24	0.31	0.44	0.43	0.53	0.44
Cadmium	9.3	60	<0.58	<0.56	<0.50	<0.50	0.54	0.65	<0.55	<0.55
Calcium	-	-	4240	13900	2260	2150	24400	32000	2290	65100
Chromium	-	-	16.9	12.2	12.6	15.2	13.6	12.4	11.7	10.5
Cobalt	-	-	7.7	5.6	<5.0	5.3	<4.4	<5.6	<5.5	<5.5
Copper	270	10000	69.3	31	9.4	16.8	39.2	29.2	10.5	32.7
Iron	-	-	21900	14800	8360	16100	11400	11100	8890	17000
Lead	1000	3900	342	270	11.3	20.3	363	337	15.8	169
Magnesium	-	-	2270	3150	3570	3940	4160	3740	2240	3430
Manganese	10000	10000	284	270	95.9	193	256	255	170	248
Mercury	2.8	5.7	0.082	0.18	0.067	0.037	0.33	0.34	0.07	0.16
Nickel	310	10000	27.3	14.1	39.2	35.4	13.3	12.5	16.9	17.7
Potassium	-	-	<1200	<1100	<1000	<1000	1110	<1100	<1100	<1100
Selenium	1500	6800	<2.3	<2.3	<2.0	<2.0	<1.7	<2.2	<2.2	<2.2
Silver	1500	6800	0.95	0.82	<0.50	0.6	0.8	<1.1 [f]	<0.55	<2.7 [f]
Sodium	-	-	<1200	<1100	<1000	<1000	<870	<1100	<1100	<1100
Thallium	-	-	<1.2	<1.1	<1.0	<1.0	<0.87	<1.1	<1.1	<1.1
Vanadium	-	-	22.8	20.5	12.3	14.8	21.3	20.4	17	17.4
Zinc	10000	10000	178	95.2	25.7	37.4	370	422	32.4	115
Cyanide	27	10000	<0.23 [d]	<0.32 [d]	<0.23 [d]	<0.23 [b]	<0.30 [g]	<0.28 [g]	<0.22 [g]	<0.23 [g]

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51

[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-08	TT-SB-09	TT-SB-10	TT-SB-11	TT-SB-12	TT-SB-13	TT-SB-14	TT-SB-15
Sample Depth in feet bgs	Commercial	Industrial	7.0-9.0	5.0-7.0	7.0-9.0	6.5-8.5	7.0-9.0	7.5-9.5	7.5-9.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/22/2021	11/23/2021	11/23/2021	11/23/2021	11/24/2021	11/29/2021	11/29/2021	11/29/2021
Volatile Organic Compounds (ug/kg)										
Acetone	500000	1000000	23.2	22.6	22.6	25.7	50.2	ND (3.6)	ND (4.6)	6.9 J
Benzene	44000	89000	ND (0.90)	ND (0.41)	2.5	ND (0.43)	ND (0.52)	ND (0.39)	ND (0.50)	ND (0.51)
Bromochloromethane	-	-	ND (1.1)	ND (0.51)	ND (0.81)	ND (0.52)	ND (0.64)	ND (0.48)	ND (0.62)	ND (0.63)
Bromodichloromethane	-	-	ND (0.85)	ND (0.39)	ND (0.62)	ND (0.40)	ND (0.49)	ND (0.37)	ND (0.47)	ND (0.48)
Bromoform	-	-	ND (2.7)	ND (1.2)	ND (2.0)	ND (1.3)	ND (1.5)	ND (1.2)	ND (1.5)	ND (1.5)
Bromomethane	-	-	ND (1.5)	ND (0.69)	ND (1.1)	ND (0.72)	ND (0.87)	ND (0.66)	ND (0.84)	ND (0.86)
2-Butanone (MEK)	500000	1000000	ND (4.8)	ND (2.2)	ND (3.5)	3.8 J	ND (2.8)	ND (2.1)	ND (2.7)	ND (2.7)
Carbon disulfide	-	-	1.9 J	ND (0.49)	2.1 J	ND (0.50)	ND (0.61)	ND (0.46)	ND (0.59)	ND (0.60)
Carbon tetrachloride	22000	44000	ND (1.2)	ND (0.56)	ND (0.90)	ND (0.58)	ND (0.70)	ND (0.53)	ND (0.68)	ND (0.69)
Chlorobenzene	500000	1000000	ND (0.91)	ND (0.42)	ND (0.67)	ND (0.43)	ND (0.52)	ND (0.40)	ND (0.51)	ND (0.51)
Chloroethane	-	-	ND (1.2) [a]	ND (0.54) [a]	ND (0.86)	ND (0.55)	ND (0.67)	ND (0.51)	ND (0.65)	ND (0.66)
Chloroform	350000	700000	ND (1.0)	ND (0.47)	ND (0.76)	ND (0.49)	ND (0.59)	ND (0.45)	ND (0.57)	ND (0.58)
Chloromethane	-	-	ND (3.9)	ND (1.8)	ND (2.9)	ND (1.8)	ND (2.2)	ND (1.7)	ND (2.2)	ND (2.2)
Cyclohexane	-	-	ND (1.3)	ND (0.60)	ND (0.96)	ND (0.62)	ND (0.75)	ND (0.57)	ND (0.72)	ND (0.74)
1,2-Dibromo-3-chloropropane	-	-	ND (1.4)	ND (0.63)	ND (1.0)	ND (0.65)	ND (0.79)	ND (0.60)	ND (0.76)	ND (0.78)
Dibromochloromethane	-	-	ND (1.1)	ND (0.51)	ND (0.81)	ND (0.52)	ND (0.64)	ND (0.48)	ND (0.62)	ND (0.63)
1,2-Dibromoethane	-	-	ND (0.83)	ND (0.38)	ND (0.61)	ND (0.39)	ND (0.48)	ND (0.36)	ND (0.46)	ND (0.47)
1,2-Dichlorobenzene	500000	1000000	ND (1.1) [b]	ND (0.50) [b]	ND (0.79)	ND (0.51)	ND (0.62)	ND (0.47)	ND (0.60)	ND (0.61)
1,3-Dichlorobenzene	280000	560000	ND (0.98) [b]	ND (0.45) [b]	ND (0.72)	ND (0.46)	ND (0.56)	ND (0.43)	ND (0.55)	ND (0.56)
1,4-Dichlorobenzene	130000	250000	ND (0.98)	ND (0.45)	ND (0.72)	ND (0.46)	ND (0.56)	ND (0.43)	ND (0.54)	ND (0.55)
Dichlorodifluoromethane	-	-	ND (1.4)	ND (0.66)	ND (1.1)	ND (0.68)	ND (0.83)	ND (0.63)	ND (0.80)	ND (0.81)
1,1-Dichloroethane	240000	480000	ND (0.98)	ND (0.45)	ND (0.72)	ND (0.46)	ND (0.56)	ND (0.43)	ND (0.55)	ND (0.55)
1,2-Dichloroethane	30000	60000	ND (0.93)	ND (0.43)	ND (0.68)	ND (0.44)	ND (0.53)	ND (0.41)	ND (0.52)	ND (0.53)
1,1-Dichloroethene	500000	1000000	ND (1.3)	ND (0.59)	ND (0.95)	ND (0.61)	ND (0.74)	ND (0.57)	ND (0.72)	ND (0.73)
cis-1,2-Dichloroethene	500000	1000000	ND (1.7)	ND (0.76)	ND (1.2)	ND (0.79)	ND (0.96)	ND (0.73)	ND (0.93)	ND (0.94)
trans-1,2-Dichloroethene	500000	1000000	ND (1.2)	ND (0.55)	ND (0.89)	ND (0.57)	ND (0.69)	ND (0.53)	ND (0.67)	ND (0.68)
1,2-Dichloropropane	-	-	ND (0.93)	ND (0.43)	ND (0.69)	ND (0.44)	ND (0.54)	ND (0.41)	ND (0.52)	ND (0.53)
cis-1,3-Dichloropropene	-	-	ND (0.94)	ND (0.43)	ND (0.69)	ND (0.44)	ND (0.54)	ND (0.41)	ND (0.52)	ND (0.53)
trans-1,3-Dichloropropene	-	-	ND (0.90)	ND (0.41)	ND (0.67)	ND (0.43)	ND (0.52)	ND (0.40)	ND (0.50)	ND (0.51)
Ethylbenzene	390000	780000	ND (0.90)	ND (0.41)	ND (0.66)	ND (0.42)	ND (0.52)	ND (0.39)	ND (0.50)	ND (0.51)
Freon 113	-	-	ND (5.3)	ND (2.4)	ND (3.9)	ND (2.5)	ND (3.0)	ND (2.3)	ND (2.9)	ND (3.0)
2-Hexanone	-	-	ND (4.2)	ND (1.9)	ND (3.1)	ND (2.0)	ND (2.4)	ND (1.8)	ND (2.3)	ND (2.4)
Isopropylbenzene	-	-	ND (2.8)	ND (1.3)	ND (2.1)	ND (1.3)	ND (1.6)	ND (1.2)	ND (1.6)	ND (1.6)
Methyl Acetate	-	-	ND (2.7)	ND (1.3)	ND (2.0)	ND (1.3)	ND (1.6)	ND (1.2)	ND (1.5)	ND (1.6)
Methylcyclohexane	-	-	ND (1.7)	ND (0.79)	ND (1.3)	ND (0.82)	ND (1.0)	ND (0.76)	ND (0.96)	ND (0.98)
Methyl Tert Butyl Ether	500000	1000000	ND (0.93)	ND (0.43)	ND (0.68)	ND (0.44)	ND (0.53)	ND (0.41)	ND (0.52)	ND (0.53)
4-Methyl-2-pentanone(MIBK)	-	-	ND (4.5)	ND (2.1)	ND (3.3)	ND (2.1)	ND (2.6)	ND (2.0)	ND (2.5)	ND (2.5)
Methylene chloride	500000	1000000	ND (5.2)	ND (2.4)	ND (3.8)	ND (2.4)	ND (3.0)	ND (2.3)	ND (2.9)	ND (2.9)
Styrene	-	-	ND (0.79)	ND (0.36)	ND (0.58)	ND (0.38)	ND (0.46)	ND (0.35)	ND (0.44)	ND (0.45)
1,1,2,2-Tetrachloroethane	-	-	ND (1.2)	ND (0.54)	ND (0.87)	ND (0.56)	ND (0.68)	ND (0.52)	ND (0.66)	ND (0.67)
Tetrachloroethene	150000	300000	ND (1.1)	ND (0.53)	ND (0.84)	ND (0.54)	ND (0.66)	ND (0.50)	ND (0.64)	ND (0.65)
Toluene	500000	1000000	ND (1.0)	ND (0.48)	1.5	ND (0.49)	ND (0.60)	ND (0.45)	ND (0.58)	ND (0.59)
1,2,3-Trichlorobenzene	-	-	ND (4.9)	ND (2.3)	ND (3.6)	ND (2.3)	ND (2.8)	ND (2.2)	ND (2.8)	ND (2.8)
1,2,4-Trichlorobenzene	-	-	ND (4.9)	ND (2.3)	ND (3.6)	ND (2.3)	ND (2.8)	ND (2.2)	ND (2.8)	ND (2.8)
1,1,1-Trichloroethane	500000	1000000	ND (0.95)	ND (0.44)	ND (0.70)	ND (0.45)	ND (0.55)	ND (0.42)	ND (0.53)	ND (0.54)
1,1,2-Trichloroethane	-	-	ND (1.1)	ND (0.50)	ND (0.81)	ND (0.52)	ND (0.63)	ND (0.48)	ND (0.61)	ND (0.62)
Trichloroethene	200000	400000	ND (1.5)	ND (0.69)	ND (1.1)	ND (0.71)	ND (0.87)	ND (0.66)	ND (0.84)	ND (0.85)
Trichlorofluoromethane	-	-	ND (1.4) [c]	ND (0.62) [c]	ND (1.0)	ND (0.64)	ND (0.78)	ND (0.59)	ND (0.75)	ND (0.77)
Vinyl chloride	13000	27000	ND (0.95)	ND (0.44)	ND (0.70)	ND (0.45)	ND (0.55)	ND (0.42)	ND (0.53)	ND (0.54)
m,p-Xylene	-	-	ND (1.8)	ND (0.81)	ND (1.3)	ND (0.84)	ND (1.0)	ND (0.78)	ND (0.99)	ND (1.0)
o-Xylene	-	-	ND (0.91)	ND (0.42)	ND (0.67)	0.61 J	ND (0.52)	ND (0.40)	ND (0.50)	ND (0.51)
Xylene (total)	500000	1000000	ND (0.91)	ND (0.42)	ND (0.67)	0.61 J	ND (0.52)	ND (0.40)	ND (0.50)	ND (0.51)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-08	TT-SB-09	TT-SB-10	TT-SB-11	TT-SB-12	TT-SB-13	TT-SB-14	TT-SB-15
Sample Depth in feet bgs	Commercial	Industrial	7.0-9.0	5.0-7.0	7.0-9.0	6.5-8.5	7.0-9.0	7.5-9.5	7.5-9.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/22/2021	11/23/2021	11/23/2021	11/23/2021	11/24/2021	11/29/2021	11/29/2021	11/29/2021
PFAS Compounds (ug/kg)										
Perfluorobutanoic acid	-	-	ND (0.41)	ND (0.40)	ND (0.44)	ND (0.42)	ND (0.43)	ND (0.41)	ND (0.42)	ND (0.41)
Perfluoropentanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorohexanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluoroheptanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorooctanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	1.7
Perfluorononanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorodecanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluoroundecanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorododecanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorotridecanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.31)	ND (0.30)	ND (0.30)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorotetradecanoic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorobutanesulfonic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorohexanesulfonic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluoroheptanesulfonic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Perfluorooctanesulfonic acid	-	-	ND (0.27)	ND (0.26)	0.36 J	ND (0.28)	ND (0.28)	ND (0.27)	0.86	ND (0.27)
Perfluorodecanesulfonic acid	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
PFOSA	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
MeFOSAA	-	-	ND (0.53)	ND (0.53)	ND (0.58)	ND (0.56)	ND (0.57)	ND (0.55)	ND (0.55)	ND (0.54)
EtFOSAA	-	-	ND (0.53)	ND (0.53)	ND (0.58)	ND (0.56)	ND (0.57)	ND (0.55)	ND (0.55)	ND (0.54)
6:2 Fluorotelomer sulfonate	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
8:2 Fluorotelomer sulfonate	-	-	ND (0.27)	ND (0.26)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.27)
Semi Volatile Organic Compounds (ug/kg)										
2-Chlorophenol	-	-	ND (17)	ND (18)	ND (19)	ND (18)	ND (19)	ND (18)	ND (18)	ND (18)
4-Chloro-3-methyl phenol	-	-	ND (22)	ND (23)	ND (23)	ND (23)	ND (23)	ND (22)	ND (23)	ND (22)
2,4-Dichlorophenol	-	-	ND (30)	ND (31)	ND (32)	ND (32)	ND (33)	ND (31)	ND (31)	ND (31)
2,4-Dimethylphenol	-	-	ND (63)	ND (65)	ND (67)	ND (66)	ND (68)	ND (65)	ND (66)	ND (64)
2,4-Dinitrophenol	-	-	ND (130) [a]	ND (140) [a]	ND (140) [a]	ND (140)	ND (140)	ND (140)	ND (140)	ND (140)
4,6-Dinitro-o-cresol	-	-	ND (38) [a]	ND (39) [a]	ND (40) [a]	ND (40)	ND (41)	ND (39)	ND (39)	ND (39)
2-Methylphenol	-	-	ND (23)	ND (24)	ND (24)	ND (24)	ND (24)	ND (23)	ND (24)	ND (23)
3&4-Methylphenol	-	-	ND (29)	ND (30)	ND (31)	ND (31)	ND (31)	ND (30)	ND (30)	ND (30)
2-Nitrophenol	-	-	ND (23) [a]	ND (24) [a]	ND (25) [a]	ND (25)	ND (25)	ND (24)	ND (24)	ND (24)
4-Nitrophenol	-	-	ND (94)	ND (98)	ND (100)	ND (99) [a]	ND (100) [a]	ND (97) [a]	ND (98) [a]	ND (96) [a]
Pentachlorophenol	6700	55000	ND (33)	ND (35) [h]	ND (35)	ND (35)	ND (36)	ND (34)	ND (35)	ND (34)
Phenol	-	-	ND (18)	ND (19)	ND (20)	ND (19)	ND (20)	ND (19)	ND (19)	ND (19)
2,3,4,6-Tetrachlorophenol	-	-	ND (23)	ND (24)	ND (25)	ND (25)	ND (25)	ND (24)	ND (24)	ND (24)
2,4,5-Trichlorophenol	-	-	ND (26)	ND (28)	ND (28)	ND (28)	ND (29)	ND (27)	ND (28)	ND (27)
2,4,6-Trichlorophenol	-	-	ND (21)	ND (22)	ND (22)	ND (22)	ND (23)	ND (22)	ND (22)	ND (22)
Acenaphthene	500000	1000000	179	39.8	107	212	1120	1780	ND (13)	ND (12)
Acenaphthylene	500000	1000000	ND (18)	62.9	121	50.5	6290	233	ND (19)	ND (18)
Acetophenone	-	-	ND (7.6) [a]	ND (7.9)	ND (8.1) [a]	ND (8.0)	ND (8.2)	ND (7.8)	ND (7.9)	ND (7.8)
Anthracene	500000	1000000	169	92.6	244	341	7000	3060	ND (23)	ND (22)
Atrazine	-	-	ND (15) [a]	ND (16) [a]	ND (16) [a]	ND (16)	ND (16)	ND (16)	ND (16)	ND (15)
Benzo(a)anthracene	5600	11000	106	156	634	758	**7870**	**10000**	10.0 J	68.5
Benzo(a)pyrene	1000	1100	107	190	574	757	**9330**	**9080**	ND (17)	48.1
Benzo(b)fluoranthene	5600	11000	121	236	698	938	**7170**	**11000**	ND (16)	68.7
Benzo(g,h,i)perylene	500000	1000000	63.1	143	316	503	1540	6040	ND (18)	28.3 J
Benzo(k)fluoranthene	56000	110000	46.1	82.5	281	304	1540	4110	ND (17)	30.2 J
4-Bromophenyl phenyl ether	-	-	ND (14)	ND (14)	ND (15)	ND (14)	ND (15)	ND (14)	ND (14)	ND (14)
Butyl benzyl phthalate	-	-	ND (8.6)	ND (9.0)	ND (9.2)	ND (9.1)	ND (9.3)	ND (8.9)	ND (9.0)	ND (8.8)
1,1'-Biphenyl	-	-	26.8 J	11.5 J	11.7 J	29.7 J	1330	104	ND (5.0)	5.4 J
Benzaldehyde	-	-	ND (8.8)	ND (9.1)	ND (9.3)	ND (9.2)	ND (9.5)	ND (9.0)	ND (9.1)	ND (9.0)
2-Chloronaphthalene	-	-	ND (8.4)	ND (8.8)	ND (9.0)	ND (8.8)	ND (9.1)	ND (8.7)	ND (8.8)	ND (8.6)
4-Chloroaniline	-	-	ND (13)	ND (13)	ND (14)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)
Carbazole	-	-	ND (5.1)	16.1 J	40.5 J	90.1	42.3 J	946	ND (5.3)	5.4 J
Caprolactam	-	-	ND (14)	ND (15)	ND (15)	ND (15)	ND (15)	ND (14) [a]	ND (15) [a]	ND (14) [a]
Chrysene	56000	110000	124	208	686	791	7730	9330	ND (12)	72.8
bis(2-Chloroethoxy)methane	-	-	ND (7.6)	ND (7.9)	ND (8.1)	ND (7.9)	ND (8.2)	ND (7.8)	ND (7.9)	ND (7.7)
bis(2-Chloroethyl)ether	-	-	ND (15)	ND (16)	ND (16)	ND (16)	ND (17)	ND (16)	ND (16)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (13)	ND (13)	ND (14)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)
4-Chlorophenyl phenyl ether	-	-	ND (11)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4-Dinitrotoluene	-	-	ND (11) [a]	ND (11) [a]	ND (12) [a]	ND (12)	ND (12)	ND (11)	ND (11)	ND (11)

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Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-08	TT-SB-09	TT-SB-10	TT-SB-11	TT-SB-12	TT-SB-13	TT-SB-14	TT-SB-15
Sample Depth in feet bgs	Commercial	Industrial	7.0-9.0	5.0-7.0	7.0-9.0	6.5-8.5	7.0-9.0	7.5-9.5	7.5-9.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/22/2021	11/23/2021	11/23/2021	11/23/2021	11/24/2021	11/29/2021	11/29/2021	11/29/2021
2,6-Dinitrotoluene	-	-	ND (18)	ND (18)	ND (19)	ND (19)	ND (19)	ND (18)	ND (18)	ND (18)
3,3'-Dichlorobenzidine	-	-	ND (29)	ND (31)	ND (31)	ND (31)	ND (32)	ND (30)	ND (31)	ND (30)
1,4-Dioxane	-	-	ND (23)	ND (24)	ND (25)	ND (25) [b]	ND (25) [b]	ND (24)	ND (24)	ND (24)
Dibenzo(a,h)anthracene	560	1100	19.2 J	35.9 J	95.3	141	343	**1530**	ND (16)	ND (16)
Dibenzofuran	350000	1000000	173	20.0 J	85.5	123	324	802	ND (15)	ND (15)
Di-n-butyl phthalate	-	-	ND (5.8)	ND (6.0)	ND (6.1)	54.6 J	ND (6.2)	ND (5.9)	ND (6.0)	ND (5.9)
Di-n-octyl phthalate	-	-	ND (8.8)	ND (9.2)	ND (9.4)	ND (9.2)	ND (9.5)	ND (9.1)	ND (9.2)	ND (9.0)
Diethyl phthalate	-	-	ND (7.5)	ND (7.8)	ND (8.0)	ND (7.9)	ND (8.2)	ND (7.8)	ND (7.8)	ND (7.7)
Dimethyl phthalate	-	-	ND (6.3)	ND (6.5)	ND (6.7)	ND (6.6)	ND (6.8)	ND (6.5)	ND (6.6)	ND (6.4)
bis(2-Ethylhexyl)phthalate	-	-	111	326	160	186	317	ND (8.5)	12.7 J	10.2 J
Fluoranthene	500000	1000000	262	302	1140	1880	14400	21600	17.1 J	176
Fluorene	500000	1000000	339	22.7 J	83.7	223	7210	1420	ND (17)	ND (17)
Hexachlorobenzene	6000	12000	ND (8.9)	ND (9.3)	ND (9.5)	ND (9.4)	ND (9.7)	ND (9.2)	ND (9.3)	ND (9.1)
Hexachlorobutadiene	-	-	ND (14) [a]	ND (15)	ND (15) [a]	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Hexachlorocyclopentadiene	-	-	ND (14)	ND (15) [h]	ND (15)	ND (15)	ND (15)	ND (14) [a]	ND (15) [a]	ND (14) [a]
Hexachloroethane	-	-	ND (17)	ND (18)	ND (19)	ND (18)	ND (19)	ND (18)	ND (18)	ND (18)
Indeno(1,2,3-cd)pyrene	5600	11000	77.7	160	400	594	1730	**6880**	ND (17)	27.8 J
Isophorone	-	-	ND (7.6)	ND (7.9)	ND (8.1)	ND (7.9)	ND (8.2)	ND (7.8)	ND (7.9)	ND (7.7)
2-Methylnaphthalene	-	-	1050	16.6 J	37.7 J	99.4	3300	281	ND (8.3)	8.3 J
2-Nitroaniline	-	-	ND (8.3) [a]	ND (8.7)	ND (8.9) [a]	ND (8.8)	ND (9.0)	ND (8.6)	ND (8.7)	ND (8.5)
3-Nitroaniline	-	-	ND (8.8)	ND (9.2)	ND (9.4)	ND (9.3)	ND (9.6)	ND (9.1)	ND (9.2)	ND (9.0)
4-Nitroaniline	-	-	ND (9.2)	ND (9.5)	ND (9.8)	ND (9.6)	ND (9.9)	ND (9.4)	ND (9.5)	ND (9.4)
Naphthalene	500000	1000000	70	24.8 J	106	91	1290	840	10.2 J	30.7 J
Nitrobenzene	-	-	ND (14)	ND (14)	ND (15)	ND (14)	ND (15)	ND (14)	ND (14)	ND (14)
N-Nitroso-di-n-propylamine	-	-	ND (10) [a]	ND (11)	ND (11) [a]	ND (11)	ND (11)	ND (11)	ND (11)	ND (10)
N-Nitrosodiphenylamine	-	-	ND (13)	ND (13)	ND (14)	ND (14)	ND (14)	ND (13)	ND (13)	ND (13)
Phenanthrene	500000	1000000	943	141	539	1400	37400	12400	12.3 J	98.8
Pyrene	500000	1000000	267	408	1260	1790	29100	18800	16.3 J	156
1,2,4,5-Tetrachlorobenzene	-	-	ND (9.0)	ND (9.3)	ND (9.6)	ND (9.4)	ND (9.7)	ND (9.2)	ND (9.4)	ND (9.2)
1,4 Dioxane (ug/kg)										
1,4-Dioxane	-	-	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.8)	ND (1.8)
Pesticides and herbicides (ug/kg)										
Aldrin	680	1400	ND (0.54)	0.96 [e]	ND (0.62)	ND (0.62)	ND (0.61)	ND (0.56)	ND (0.59)	ND (0.61)
alpha-BHC	3400	6800	ND (0.54)	ND (0.58)	ND (0.61)	1.3	ND (0.60)	ND (0.55)	ND (0.59)	ND (0.60)
beta-BHC	3000	14000	ND (0.60)	ND (0.65)	ND (0.68)	ND (0.68)	ND (0.67)	ND (0.61)	ND (0.65)	ND (0.67)
delta-BHC	500000	1000000	ND (0.63)	ND (0.69)	ND (0.73)	ND (0.73)	ND (0.71)	ND (0.65)	ND (0.69)	ND (0.71)
gamma-BHC (Lindane)	9200	23000	ND (0.49)	ND (0.53)	ND (0.56)	5.2	ND (0.54)	ND (0.50)	ND (0.53)	ND (0.54)
alpha-Chlordane	24000	47000	ND (0.53)	6.8	ND (0.61)	2.2	ND (0.60)	ND (0.55)	ND (0.58)	ND (0.59)
gamma-Chlordane	-	-	ND (0.30)	6.8	ND (0.34)	8.8	ND (0.33)	ND (0.31)	ND (0.33)	ND (0.33)
Dieldrin	1400	28000	ND (0.45)	0.90 [e]	ND (0.52)	3	ND (0.51)	5.3 [b]	ND (0.49)	ND (0.51)
4,4'-DDD	92000	180000	ND (0.60)	8.7	1.1 [e]	108	ND (0.68)	ND (0.62)	ND (0.66)	ND (0.68)
4,4'-DDE	62000	120000	0.82	3.7	2.2	14.3	ND (0.65)	2.2 [b]	ND (0.63)	ND (0.65)
4,4'-DDT	47000	94000	ND (0.58)	2	0.86 [e]	10.1	ND (0.65)	18.8	ND (0.64)	ND (0.65)
Endrin	89000	410000	ND (0.51)	ND (0.56)	ND (0.59)	ND (0.59)	ND (0.57)	10.4 [b]	ND (0.56)	ND (0.57)
Endosulfan sulfate	200000	920000	ND (0.51)	ND (0.56)	ND (0.59)	ND (0.59)	ND (0.58)	ND (0.53)	ND (0.56)	ND (0.58)
Endrin aldehyde	-	-	ND (0.37)	ND (0.41)	ND (0.43)	ND (0.43)	ND (0.42)	ND (0.38)	ND (0.41)	ND (0.42)
Endosulfan-I	200000	920000	ND (0.38)	ND (0.41)	ND (0.44)	ND (0.44)	ND (0.43)	ND (0.39)	ND (0.41)	ND (0.42)
Endosulfan-II	200000	920000	ND (0.41)	ND (0.45)	ND (0.47)	3.8	ND (0.46)	12.3 [b]	ND (0.45)	ND (0.46)
Heptachlor	15000	29000	ND (0.57)	0.94	ND (0.65)	ND (0.65)	ND (0.64)	ND (0.58)	ND (0.62)	ND (0.64)
Heptachlor epoxide	-	-	ND (0.46)	1.8 [i]	ND (0.53)	5.6	ND (0.52)	ND (0.48)	ND (0.50)	ND (0.52)
Methoxychlor	-	-	ND (0.52)	ND (0.57)	4.1	ND (0.60)	ND (0.59)	ND (0.54)	ND (0.57)	ND (0.59)
Endrin ketone	-	-	ND (0.48)	ND (0.52)	ND (0.55)	ND (0.55)	ND (0.53)	ND (0.49)	ND (0.52)	ND (0.53)
Toxaphene	-	-	ND (15)	ND (17)	ND (18)	ND (18)	ND (17)	ND (16)	ND (17)	ND (17)
2,4-D	-	-	ND (31)	ND (32)	ND (33)	ND (33)	ND (34)	ND (8.2)	ND (8.3)	ND (7.7)
2,4,5-TP (Silvex)	500000	1000000	ND (7.8)	ND (8.2)	ND (8.4)	ND (8.3)	ND (8.6)	ND (2.1)	ND (2.1)	ND (1.9)
2,4,5-T	-	-	ND (6.9)	ND (7.2)	ND (7.4)	ND (7.3)	ND (7.6)	ND (1.8)	ND (1.9)	ND (1.7)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-08	TT-SB-09	TT-SB-10	TT-SB-11	TT-SB-12	TT-SB-13	TT-SB-14	TT-SB-15
Sample Depth in feet bgs	Commercial	Industrial	7.0-9.0	5.0-7.0	7.0-9.0	6.5-8.5	7.0-9.0	7.5-9.5	7.5-9.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/22/2021	11/23/2021	11/23/2021	11/23/2021	11/24/2021	11/29/2021	11/29/2021	11/29/2021
PCBs (ug/kg)										
Aroclor 1016	1000	25000	ND (15)	ND (17)	ND (18)	ND (18)	ND (17)	ND (16)	ND (17)	ND (17)
Aroclor 1221	1000	25000	ND (20)	ND (22)	ND (23)	ND (23)	ND (23)	ND (21)	ND (22)	ND (23)
Aroclor 1232	1000	25000	ND (21)	ND (23)	ND (24)	ND (24)	ND (24)	ND (22)	ND (23)	ND (24)
Aroclor 1242	1000	25000	ND (14)	ND (15)	ND (15)	ND (16)	ND (15)	ND (14)	ND (15)	ND (15)
Aroclor 1248	1000	25000	ND (29)	ND (32)	ND (34)	ND (34)	ND (33)	ND (30)	ND (32)	ND (33)
Aroclor 1254	1000	25000	ND (18)	ND (19)	ND (20)	ND (20)	ND (20)	ND (18)	ND (19)	ND (20)
Aroclor 1260	1000	25000	ND (14)	ND (15)	ND (16)	ND (16)	ND (16)	ND (14)	ND (15)	ND (16)
Aroclor 1268	1000	25000	ND (14)	ND (15)	ND (16)	ND (16)	ND (16)	ND (14)	ND (15)	ND (16)
Aroclor 1262	1000	25000	ND (22)	ND (24)	ND (25)	ND (25)	ND (24)	ND (22)	ND (24)	ND (24)
Metals (mg/kg)										
Aluminum	-	-	8770	7740	9560	5050	6280	7770	4360	3340
Antimony	-	-	<2.2	<2.2	<2.3	<2.3	2.9	<2.2	<2.2	<2.3
Arsenic	16	16	<2.2	6.4	4.5	4.7	8.5	7.7	4.2	4.9
Barium	400	10000	85.1	69.5	78.5	95.3	240	34.3	35.8	60.2
Beryllium	590	2700	0.81	0.56	0.62	0.48	0.36	0.6	0.41	0.31
Cadmium	9.3	60	<0.55	<0.55	3	<0.57	5.1 [c]	<0.55	<0.55	<0.57
Calcium	-	-	30700	21800	30100	7380	49000	1960	1840	948
Chromium	-	-	17.6	15.5	17.1	33.2	23.8	16.6	9.6	10.1
Cobalt	-	-	12.8	6	5.7	7.6	7.1	7.4	5.9	7.9
Copper	270	10000	44.4	36.2	15.5	90.5	124 [c]	19.1	26	58.9
Iron	-	-	16800	13800	14700	11900	29300	17900	11900	14900
Lead	1000	3900	31.8	71.4	73.3	526	266 [c]	33.9	33.4	160
Magnesium	-	-	17900	3030	8400	3730	5970	2610	1160	989
Manganese	10000	10000	313	253	390	180	323 [c]	181	181	246
Mercury	2.8	5.7	0.28	0.15	0.11	2.5	0.54	0.081	0.051	0.61
Nickel	310	10000	23.6	19.6	21.7	29.6	26.2	16.8	16.5	17.2
Potassium	-	-	3080	1170	2370	<1100	<1200	1420	<1100	<1100
Selenium	1500	6800	<2.2	<2.2	<2.3	<2.3	<12 [c]	<2.2	<2.2	<2.3
Silver	1500	6800	<1.1 [f]	0.87	<1.1 [f]	<0.57	<2.9 [c]	0.66	<0.55	0.63
Sodium	-	-	<1100	<1100	<1100	<1100	<1200	<1100	<1100	<1100
Thallium	-	-	<1.1	<1.1	<1.1	<1.1	<5.8 [c]	<1.1	<1.1	<1.1
Vanadium	-	-	30.3	24.2	22.7	17.9	25.5	22.9	15.4	16
Zinc	10000	10000	230	63.7	569	459	1220	53.8	44.4	82.9
Cyanide	27	10000	<0.21 [g]	<0.22 [g]	<0.23 [g]	<0.34 [d]	<0.30 [d]	<0.27	0.32	0.48

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51
[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-16	TT-SB-17	TT-SB-18	TT-SB-19	TT-SB-20	TT-SB-21	TT-SB-22	TT-SB-23
Sample Depth in feet bgs	Commercial	Industrial	7.5-9.5	7.0-9.0	7.0-9.0	7.0-9.0	6.5-8.5	6.5-8.5	6.5-8.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/29/2021	11/29/2021	11/29/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
Volatile Organic Compounds (ug/kg)										
Acetone	500000	1000000	ND (3.5)	ND (3.5)	4.1 J	ND (3.6)	ND (3.9)	9.7	5.1 J	7.0 J
Benzene	44000	89000	ND (0.38)	ND (0.38)	ND (0.43)	ND (0.39)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.43)
Bromochloromethane	-	-	ND (0.47)	ND (0.47)	ND (0.52)	ND (0.48)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.53)
Bromodichloromethane	-	-	ND (0.36)	ND (0.36)	ND (0.40)	ND (0.37)	ND (0.41)	ND (0.40)	ND (0.38)	ND (0.41)
Bromoform	-	-	ND (1.1)	ND (1.1)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)
Bromomethane	-	-	ND (0.64)	ND (0.64)	ND (0.71)	ND (0.66)	ND (0.72)	ND (0.72)	ND (0.68)	ND (0.73)
2-Butanone (MEK)	500000	1000000	ND (2.0)	ND (2.0)	ND (2.3)	ND (2.1)	ND (2.3)	ND (2.3)	ND (2.2)	ND (2.3)
Carbon disulfide	-	-	ND (0.45)	ND (0.45)	ND (0.50)	ND (0.46)	ND (0.51)	ND (0.50)	ND (0.48)	ND (0.51)
Carbon tetrachloride	22000	44000	ND (0.52)	ND (0.52)	ND (0.58)	ND (0.53)	ND (0.58)	ND (0.58)	ND (0.55)	ND (0.59)
Chlorobenzene	500000	1000000	ND (0.39)	ND (0.39)	ND (0.43)	ND (0.40)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.44)
Chloroethane	-	-	ND (0.50)	ND (0.50)	ND (0.55)	ND (0.51)	ND (0.56)	ND (0.56)	ND (0.53)	ND (0.56)
Chloroform	350000	700000	ND (0.44)	ND (0.44)	ND (0.48)	ND (0.45)	ND (0.49)	ND (0.49)	ND (0.46)	ND (0.49)
Chloromethane	-	-	ND (1.6)	ND (1.6)	ND (1.8)	ND (1.7)	ND (1.9)	ND (1.8)	ND (1.8)	ND (1.9)
Cyclohexane	-	-	ND (0.55)	ND (0.55)	ND (0.61)	ND (0.57)	ND (0.62)	ND (0.62)	ND (0.59)	ND (0.62)
1,2-Dibromo-3-chloropropane	-	-	ND (0.58)	ND (0.58)	ND (0.65)	ND (0.60)	ND (0.66)	ND (0.65)	ND (0.62)	ND (0.66)
Dibromochloromethane	-	-	ND (0.47)	ND (0.47)	ND (0.52)	ND (0.48)	ND (0.53)	ND (0.53)	ND (0.50)	ND (0.53)
1,2-Dibromoethane	-	-	ND (0.35)	ND (0.35)	ND (0.39)	ND (0.36)	ND (0.40)	ND (0.40)	ND (0.38)	ND (0.40)
1,2-Dichlorobenzene	500000	1000000	ND (0.46)	ND (0.46)	ND (0.51)	ND (0.47)	ND (0.52)	ND (0.51)	ND (0.49)	ND (0.52)
1,3-Dichlorobenzene	280000	560000	ND (0.42)	ND (0.42)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.47)	ND (0.44)	ND (0.47)
1,4-Dichlorobenzene	130000	250000	ND (0.42)	ND (0.41)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.47)	ND (0.44)	ND (0.47)
Dichlorodifluoromethane	-	-	ND (0.61)	ND (0.61)	ND (0.68)	ND (0.63)	ND (0.69)	ND (0.68)	ND (0.65)	ND (0.69)
1,1-Dichloroethane	240000	480000	ND (0.42)	ND (0.42)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.47)	ND (0.44)	ND (0.47)
1,2-Dichloroethane	30000	60000	ND (0.40)	ND (0.39)	ND (0.44)	ND (0.41)	ND (0.44)	ND (0.44)	ND (0.42)	ND (0.45)
1,1-Dichloroethene	500000	1000000	ND (0.55)	ND (0.55)	ND (0.61)	ND (0.56)	ND (0.62)	ND (0.62)	ND (0.59)	ND (0.62)
cis-1,2-Dichloroethene	500000	1000000	ND (0.71)	ND (0.70)	ND (0.78)	ND (0.72)	ND (0.79)	ND (0.79)	ND (0.75)	ND (0.80)
trans-1,2-Dichloroethene	500000	1000000	ND (0.51)	ND (0.51)	ND (0.57)	ND (0.53)	ND (0.58)	ND (0.58)	ND (0.55)	ND (0.58)
1,2-Dichloropropane	-	-	ND (0.40)	ND (0.40)	ND (0.44)	ND (0.41)	ND (0.45)	ND (0.45)	ND (0.42)	ND (0.45)
cis-1,3-Dichloropropene	-	-	ND (0.40)	ND (0.40)	ND (0.44)	ND (0.41)	ND (0.45)	ND (0.45)	ND (0.42)	ND (0.45)
trans-1,3-Dichloropropene	-	-	ND (0.38)	ND (0.38)	ND (0.43)	ND (0.39)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.43)
Ethylbenzene	390000	780000	ND (0.38)	ND (0.38)	ND (0.42)	ND (0.39)	ND (0.43)	ND (0.43)	ND (0.40)	ND (0.43)
Freon 113	-	-	ND (2.2)	ND (2.2)	ND (2.5)	ND (2.3)	ND (2.5)	ND (2.5)	ND (2.4)	ND (2.5)
2-Hexanone	-	-	ND (1.8)	ND (1.8)	ND (2.0)	ND (1.8)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)
Isopropylbenzene	-	-	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Methyl Acetate	-	-	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)
Methylcyclohexane	-	-	ND (0.74)	ND (0.73)	ND (0.82)	ND (0.75)	ND (0.83)	ND (0.82)	ND (0.78)	ND (0.83)
Methyl Tert Butyl Ether	500000	1000000	ND (0.39)	ND (0.39)	ND (0.44)	ND (0.40)	ND (0.44)	ND (0.44)	ND (0.42)	ND (0.45)
4-Methyl-2-pentanone(MIBK)	-	-	ND (1.9)	ND (1.9)	ND (2.1)	ND (2.0)	ND (2.1)	ND (2.1)	ND (2.0)	ND (2.2)
Methylene chloride	500000	1000000	ND (2.2)	ND (2.2)	ND (2.4)	ND (2.3)	ND (2.5)	ND (2.5)	ND (2.3)	ND (2.5)
Styrene	-	-	ND (0.34)	ND (0.34)	ND (0.38)	ND (0.35)	ND (0.38)	ND (0.38)	ND (0.36)	ND (0.38)
1,1,2,2-Tetrachloroethane	-	-	ND (0.50)	ND (0.50)	ND (0.56)	ND (0.52)	ND (0.57)	ND (0.56)	ND (0.54)	ND (0.57)
Tetrachloroethene	150000	300000	ND (0.49)	ND (0.49)	ND (0.54)	ND (0.50)	ND (0.55)	ND (0.55)	ND (0.52)	ND (0.55)
Toluene	500000	1000000	ND (0.44)	ND (0.44)	ND (0.49)	ND (0.45)	ND (0.50)	ND (0.49)	ND (0.47)	ND (0.50)
1,2,3-Trichlorobenzene	-	-	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.2)	ND (2.4)	ND (2.4)	ND (2.2)	ND (2.4)
1,2,4-Trichlorobenzene	-	-	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.2)	ND (2.4)	ND (2.4)	ND (2.2)	ND (2.4)
1,1,1-Trichloroethane	500000	1000000	ND (0.41)	ND (0.41)	ND (0.45)	ND (0.42)	ND (0.46)	ND (0.46)	ND (0.43)	ND (0.46)
1,1,2-Trichloroethane	-	-	ND (0.47)	ND (0.46)	ND (0.52)	ND (0.48)	ND (0.52)	ND (0.52)	ND (0.49)	ND (0.53)
Trichloroethene	200000	400000	ND (0.64)	ND (0.64)	ND (0.71)	ND (0.66)	ND (0.72)	ND (0.72)	ND (0.68)	ND (0.72)
Trichlorofluoromethane	-	-	ND (0.58)	ND (0.57)	ND (0.64)	ND (0.59)	ND (0.65)	ND (0.64)	ND (0.61)	ND (0.65)
Vinyl chloride	13000	27000	ND (0.40)	ND (0.40)	ND (0.45)	ND (0.41)	ND (0.45)	ND (0.45)	ND (0.43)	ND (0.46)
m,p-Xylene	-	-	ND (0.75)	ND (0.75)	ND (0.84)	ND (0.77)	ND (0.85)	ND (0.84)	ND (0.80)	ND (0.85)
o-Xylene	-	-	ND (0.39)	ND (0.38)	ND (0.43)	ND (0.39)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.44)
Xylene (total)	500000	1000000	ND (0.39)	ND (0.38)	ND (0.43)	ND (0.39)	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.44)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-16	TT-SB-17	TT-SB-18	TT-SB-19	TT-SB-20	TT-SB-21	TT-SB-22	TT-SB-23
Sample Depth in feet bgs	Commercial	Industrial	7.5-9.5	7.0-9.0	7.0-9.0	7.0-9.0	6.5-8.5	6.5-8.5	6.5-8.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/29/2021	11/29/2021	11/29/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
PFAS Compounds (ug/kg)										
Perfluorobutanoic acid	-	-	ND (0.44)	ND (0.40)	ND (0.43)	ND (0.42)	ND (0.44)	ND (0.44)	ND (0.45)	ND (0.44)
Perfluoropentanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorohexanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluoroheptanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorooctanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorononanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorodecanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluoroundecanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorododecanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorotridecanoic acid	-	-	ND (0.31)	ND (0.28)	ND (0.30)	ND (0.29)	ND (0.31)	ND (0.31)	ND (0.31)	ND (0.31)
Perfluorotetradecanoic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorobutanesulfonic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorohexanesulfonic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluoroheptanesulfonic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorooctanesulfonic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Perfluorodecanesulfonic acid	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
PFOSA	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
MeFOSAA	-	-	ND (0.58)	ND (0.53)	ND (0.56)	ND (0.55)	ND (0.58)	ND (0.58)	ND (0.59)	ND (0.58)
EtFOSAA	-	-	ND (0.58)	ND (0.53)	ND (0.56)	ND (0.55)	ND (0.58)	ND (0.58)	ND (0.59)	ND (0.58)
6:2 Fluorotelomer sulfonate	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
8:2 Fluorotelomer sulfonate	-	-	ND (0.29)	ND (0.26)	ND (0.28)	ND (0.27)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Semi Volatile Organic Compounds (ug/kg)										
2-Chlorophenol	-	-	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (19)	ND (19)	ND (19)
4-Chloro-3-methyl phenol	-	-	ND (22)	ND (22)	ND (23)	ND (22)	ND (23)	ND (23)	ND (24)	ND (23)
2,4-Dichlorophenol	-	-	ND (31)	ND (31)	ND (32)	ND (30)	ND (32)	ND (32)	ND (33)	ND (32)
2,4-Dimethylphenol	-	-	ND (64)	ND (64)	ND (66)	ND (63)	ND (66)	ND (67)	ND (69)	ND (67)
2,4-Dinitrophenol	-	-	ND (140)	ND (130)	ND (140)	ND (130)	ND (140)	ND (140)	ND (150)	ND (140)
4,6-Dinitro-o-cresol	-	-	ND (38)	ND (38)	ND (40)	ND (38)	ND (40)	ND (40)	ND (42)	ND (41)
2-Methylphenol	-	-	ND (23)	ND (23)	ND (24)	ND (23)	ND (24)	ND (24)	ND (25)	ND (24)
3&4-Methylphenol	-	-	ND (30)	ND (29)	ND (30)	ND (29)	ND (30)	ND (31)	ND (32)	ND (31)
2-Nitrophenol	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (25)	ND (26)	ND (25)
4-Nitrophenol	-	-	ND (96) [a]	ND (96) [a]	ND (99) [a]	ND (95) [a]	ND (99) [a]	ND (100) [a]	ND (100) [a]	ND (100) [a]
Pentachlorophenol	6700	55000	ND (34)	ND (34)	ND (35)	ND (33)	ND (35)	ND (36)	ND (37)	ND (36)
Phenol	-	-	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (20)	ND (20)	ND (20)
2,3,4,6-Tetrachlorophenol	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (25)	ND (25)	ND (26)	ND (25)
2,4,5-Trichlorophenol	-	-	ND (27)	ND (27)	ND (28)	ND (27)	ND (28)	ND (28)	ND (29)	ND (28)
2,4,6-Trichlorophenol	-	-	ND (21)	ND (21)	ND (22)	ND (21)	ND (22)	ND (23)	ND (23)	ND (23)
Acenaphthene	500000	1000000	ND (12)	ND (12)	ND (13)	ND (12)	ND (13)	ND (13)	ND (13)	ND (13)
Acenaphthylene	500000	1000000	ND (18)	ND (18)	ND (19)	ND (18)	ND (19)	ND (19)	ND (20)	ND (19)
Acetophenone	-	-	ND (7.7)	ND (7.7)	ND (8.0)	ND (7.7)	ND (8.0)	ND (8.1)	ND (8.4)	ND (8.1)
Anthracene	500000	1000000	ND (22)	ND (22)	ND (23)	ND (22)	ND (23)	ND (23)	ND (24)	ND (23)
Atrazine	-	-	ND (15)	ND (15)	ND (16)	ND (15)	ND (16)	ND (16)	ND (17)	ND (16)
Benzo(a)anthracene	5600	11000	ND (10)	38.7	22.2 J	33.3 J	54.8	26.4 J	ND (11)	ND (11)
Benzo(a)pyrene	1000	1100	ND (16)	29.4 J	ND (17)	22.9 J	48.9	29.2 J	ND (18)	ND (17)
Benzo(b)fluoranthene	5600	11000	ND (16)	36.2	18.5 J	25.4 J	60.4	27.2 J	ND (17)	ND (17)
Benzo(g,h,i)perylene	500000	1000000	ND (18)	21.3 J	ND (18)	ND (18)	36.5 J	20.3 J	ND (19)	ND (19)
Benzo(k)fluoranthene	56000	110000	ND (17)	17.6 J	ND (17)	ND (17)	24.2 J	ND (18)	ND (18)	ND (18)
4-Bromophenyl phenyl ether	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (15)	ND (15)	ND (15)
Butyl benzyl phthalate	-	-	ND (8.8)	ND (8.7)	ND (9.0)	ND (8.7)	ND (9.0)	ND (9.2)	ND (9.5)	ND (9.2)
1,1'-Biphenyl	-	-	ND (4.9)	ND (4.9)	ND (5.1)	ND (4.9)	ND (5.1)	ND (5.2)	ND (5.3)	ND (5.2)
Benzaldehyde	-	-	ND (8.9)	ND (8.9)	ND (9.2)	ND (8.8)	ND (9.2)	ND (9.4)	ND (9.7)	ND (9.4)
2-Chloronaphthalene	-	-	ND (8.5)	ND (8.5)	ND (8.8)	ND (8.5)	ND (8.8)	ND (9.0)	ND (9.3)	ND (9.0)
4-Chloroaniline	-	-	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (14)	ND (14)	ND (14)
Carbazole	-	-	ND (5.2)	ND (5.2)	ND (5.4)	ND (5.2)	ND (5.4)	ND (5.5)	ND (5.6)	ND (5.5)
Caprolactam	-	-	ND (14) [a]	ND (14) [a]	ND (15) [a]	ND (14) [a]	ND (15) [a]	ND (15) [a]	ND (15) [a]	ND (15) [a]
Chrysene	56000	110000	ND (11)	36.4	17.5 J	27.6 J	53.4	26.7 J	ND (12)	ND (12)
bis(2-Chloroethoxy)methane	-	-	ND (7.7)	ND (7.7)	ND (7.9)	ND (7.6)	ND (7.9)	ND (8.1)	ND (8.3)	ND (8.1)
bis(2-Chloroethyl)ether	-	-	ND (15)	ND (15)	ND (16)	ND (15)	ND (16)	ND (16)	ND (17)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (14)	ND (14)	ND (14)
4-Chlorophenyl phenyl ether	-	-	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (13)	ND (12)
2,4-Dinitrotoluene	-	-	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (12)	ND (12)	ND (12)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-16	TT-SB-17	TT-SB-18	TT-SB-19	TT-SB-20	TT-SB-21	TT-SB-22	TT-SB-23
Sample Depth in feet bgs	Commercial	Industrial	7.5-9.5	7.0-9.0	7.0-9.0	7.0-9.0	6.5-8.5	6.5-8.5	6.5-8.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/29/2021	11/29/2021	11/29/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
2,6-Dinitrotoluene	-	-	ND (18)	ND (18)	ND (19)	ND (18)	ND (19)	ND (19)	ND (20)	ND (19)
3,3'-Dichlorobenzidine	-	-	ND (30)	ND (30)	ND (31)	ND (30)	ND (31)	ND (32)	ND (32)	ND (32)
1,4-Dioxane	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (25)	ND (26)	ND (25)
Dibenzo(a,h)anthracene	560	1100	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (17)	ND (17)	ND (17)
Dibenzofuran	350000	1000000	ND (15)	ND (15)	ND (15)	ND (14)	ND (15)	ND (15)	ND (16)	ND (15)
Di-n-butyl phthalate	-	-	ND (5.9)	ND (5.8)	ND (6.0)	ND (5.8)	ND (6.0)	ND (6.2)	ND (6.3)	ND (6.2)
Di-n-octyl phthalate	-	-	ND (8.9)	ND (8.9)	ND (9.2)	ND (8.9)	ND (9.2)	ND (9.4)	ND (9.7)	ND (9.4)
Diethyl phthalate	-	-	ND (7.6)	ND (7.6)	ND (7.9)	ND (7.6)	ND (7.9)	ND (8.1)	ND (8.3)	ND (8.1)
Dimethyl phthalate	-	-	ND (6.4)	ND (6.4)	ND (6.6)	ND (6.3)	ND (6.6)	ND (6.7)	ND (6.9)	ND (6.7)
bis(2-Ethylhexyl)phthalate	-	-	ND (8.4)	19.3 J	ND (8.7)	ND (8.3)	ND (8.7)	ND (8.8)	ND (9.1)	ND (8.9)
Fluoranthene	500000	1000000	ND (16)	67	35.2 J	46.8	110	24.3 J	ND (17)	ND (17)
Fluorene	500000	1000000	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (18)	ND (17)
Hexachlorobenzene	6000	12000	ND (9.1)	ND (9.1)	ND (9.4)	ND (9.0)	ND (9.4)	ND (9.6)	ND (9.8)	ND (9.6)
Hexachlorobutadiene	-	-	ND (14)	ND (14)	ND (15)	ND (14)	ND (15)	ND (15)	ND (16)	ND (15)
Hexachlorocyclopentadiene	-	-	ND (14) [a]	ND (14) [a]	ND (15) [a]	ND (14) [a]	ND (15) [a]	ND (15) [a]	ND (15) [a]	ND (15) [a]
Hexachloroethane	-	-	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (19)	ND (19)	ND (19)
Indeno(1,2,3-cd)pyrene	5600	11000	ND (17)	22.5 J	ND (17)	ND (17)	39.4	20.6 J	ND (18)	ND (18)
Isophorone	-	-	ND (7.7)	ND (7.7)	ND (7.9)	ND (7.6)	ND (7.9)	ND (8.1)	ND (8.3)	ND (8.1)
2-Methylnaphthalene	-	-	ND (8.1)	ND (8.1)	ND (8.4)	ND (8.0)	ND (8.4)	ND (8.5)	ND (8.8)	ND (8.6)
2-Nitroaniline	-	-	ND (8.5)	ND (8.5)	ND (8.7)	ND (8.4)	ND (8.7)	ND (8.9)	ND (9.2)	ND (8.9)
3-Nitroaniline	-	-	ND (9.0)	ND (9.0)	ND (9.2)	ND (8.9)	ND (9.3)	ND (9.5)	ND (9.7)	ND (9.5)
4-Nitroaniline	-	-	ND (9.3)	ND (9.3)	ND (9.6)	ND (9.2)	ND (9.6)	ND (9.8)	ND (10)	ND (9.8)
Naphthalene	500000	1000000	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (11)	ND (11)	ND (11)
Nitrobenzene	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (15)	ND (15)	ND (15)
N-Nitroso-di-n-propylamine	-	-	ND (10)	ND (10)	ND (11)	ND (10)	ND (11)	ND (11)	ND (11)	ND (11)
N-Nitrosodiphenylamine	-	-	ND (13)	ND (13)	ND (14)	ND (13)	ND (14)	ND (14)	ND (14)	ND (14)
Phenanthrene	500000	1000000	ND (12)	41.8	14.7 J	31.1 J	66.3	23.1 J	ND (13)	ND (13)
Pyrene	500000	1000000	ND (11)	65.4	28.7 J	46.1	91.4	25.1 J	ND (12)	ND (12)
1,2,4,5-Tetrachlorobenzene	-	-	ND (9.1)	ND (9.1)	ND (9.4)	ND (9.0)	ND (9.4)	ND (9.6)	ND (9.9)	ND (9.6)
1,4 Dioxane (ug/kg)										
1,4-Dioxane	-	-	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Pesticides and herbicides (ug/kg)										
Aldrin	680	1400	ND (0.56)	ND (0.54)	ND (0.60)	ND (0.56)	ND (0.59)	ND (0.63)	ND (0.63)	ND (0.62)
alpha-BHC	3400	6800	ND (0.55)	ND (0.53)	ND (0.59)	ND (0.56)	ND (0.58)	ND (0.62)	ND (0.62)	ND (0.61)
beta-BHC	3000	14000	ND (0.61)	ND (0.59)	ND (0.65)	ND (0.62)	ND (0.65)	ND (0.69)	ND (0.69)	ND (0.68)
delta-BHC	500000	1000000	ND (0.65)	ND (0.63)	ND (0.69)	ND (0.66)	ND (0.69)	ND (0.74)	ND (0.74)	ND (0.72)
gamma-BHC (Lindane)	9200	23000	ND (0.50)	ND (0.48)	ND (0.53)	ND (0.50)	ND (0.53)	ND (0.57)	ND (0.56)	ND (0.55)
alpha-Chlordane	24000	47000	ND (0.55)	ND (0.53)	ND (0.58)	ND (0.55)	ND (0.58)	ND (0.62)	ND (0.62)	ND (0.61)
gamma-Chlordane	-	-	ND (0.31)	ND (0.30)	ND (0.33)	ND (0.31)	ND (0.33)	ND (0.35)	ND (0.35)	ND (0.34)
Dieldrin	1400	28000	ND (0.47)	ND (0.45)	ND (0.50)	ND (0.47)	ND (0.49)	ND (0.53)	ND (0.53)	ND (0.52)
4,4'-DDD	92000	180000	ND (0.62)	ND (0.60)	ND (0.66)	ND (0.63)	ND (0.66)	ND (0.71)	ND (0.70)	ND (0.69)
4,4'-DDE	62000	120000	ND (0.60)	ND (0.57)	ND (0.63)	ND (0.60)	ND (0.63)	ND (0.67)	ND (0.67)	ND (0.66)
4,4'-DDT	47000	94000	ND (0.60)	ND (0.58)	ND (0.64)	ND (0.61)	ND (0.64)	ND (0.68)	ND (0.68)	ND (0.67)
Endrin	89000	410000	ND (0.53)	ND (0.51)	ND (0.56)	ND (0.53)	ND (0.56)	ND (0.60)	ND (0.59)	ND (0.58)
Endosulfan sulfate	200000	920000	ND (0.53)	ND (0.51)	ND (0.56)	ND (0.53)	ND (0.56)	ND (0.60)	ND (0.60)	ND (0.59)
Endrin aldehyde	-	-	ND (0.39)	ND (0.37)	ND (0.41)	ND (0.39)	ND (0.41)	ND (0.44)	ND (0.43)	ND (0.43)
Endosulfan-I	200000	920000	ND (0.39)	ND (0.38)	ND (0.42)	ND (0.39)	ND (0.41)	ND (0.44)	ND (0.44)	ND (0.43)
Endosulfan-II	200000	920000	ND (0.42)	ND (0.41)	ND (0.45)	ND (0.43)	ND (0.45)	ND (0.48)	ND (0.48)	ND (0.47)
Heptachlor	15000	29000	ND (0.59)	ND (0.56)	ND (0.62)	ND (0.59)	ND (0.62)	ND (0.66)	ND (0.66)	ND (0.65)
Heptachlor epoxide	-	-	ND (0.48)	ND (0.46)	ND (0.51)	ND (0.48)	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.53)
Methoxychlor	-	-	ND (0.54)	ND (0.52)	ND (0.58)	ND (0.54)	ND (0.57)	ND (0.61)	ND (0.61)	ND (0.60)
Endrin ketone	-	-	ND (0.49)	ND (0.47)	ND (0.52)	ND (0.49)	ND (0.52)	ND (0.56)	ND (0.55)	ND (0.54)
Toxaphene	-	-	ND (16)	ND (15)	ND (17)	ND (16)	ND (17)	ND (18)	ND (18)	ND (18)
2,4-D	-	-	ND (8.0)	ND (7.8)	ND (7.5)	ND (7.7)	ND (8.0)	ND (8.5)	ND (8.4)	ND (8.5)
2,4,5-TP (Silvex)	500000	1000000	ND (2.0)	ND (2.0)	ND (1.9)	ND (1.9)	ND (2.0)	ND (2.2)	ND (2.1)	ND (2.1)
2,4,5-T	-	-	ND (1.8)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.8)	ND (1.9)	ND (1.9)	ND (1.9)

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South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-16	TT-SB-17	TT-SB-18	TT-SB-19	TT-SB-20	TT-SB-21	TT-SB-22	TT-SB-23
Sample Depth in feet bgs	Commercial	Industrial	7.5-9.5	7.0-9.0	7.0-9.0	7.0-9.0	6.5-8.5	6.5-8.5	6.5-8.5	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	11/29/2021	11/29/2021	11/29/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021	11/30/2021
PCBs (ug/kg)										
Aroclor 1016	1000	25000	ND (16)	ND (15)	ND (17)	ND (16)	ND (17)	ND (18)	ND (18)	ND (18)
Aroclor 1221	1000	25000	ND (21)	ND (20)	ND (22)	ND (21)	ND (22)	ND (24)	ND (24)	ND (23)
Aroclor 1232	1000	25000	ND (22)	ND (21)	ND (23)	ND (22)	ND (23)	ND (25)	ND (24)	ND (24)
Aroclor 1242	1000	25000	ND (14)	ND (13)	ND (15)	ND (14)	ND (15)	ND (16)	ND (16)	ND (15)
Aroclor 1248	1000	25000	ND (30)	ND (29)	ND (32)	ND (30)	ND (32)	ND (34)	ND (34)	ND (34)
Aroclor 1254	1000	25000	ND (18)	ND (18)	ND (19)	ND (18)	ND (19)	ND (21)	ND (21)	ND (20)
Aroclor 1260	1000	25000	ND (14)	ND (14)	ND (15)	ND (15)	ND (15)	ND (16)	ND (16)	ND (16)
Aroclor 1268	1000	25000	ND (14)	ND (14)	ND (15)	ND (14)	ND (15)	ND (16)	ND (16)	ND (16)
Aroclor 1262	1000	25000	ND (22)	ND (21)	ND (24)	ND (22)	ND (23)	ND (25)	ND (25)	ND (25)
Metals (mg/kg)										
Aluminum	-	-	6240	4620	7770	4200	3720	9700	6780	6910
Antimony	-	-	<2.3	<2.2	<2.2	<2.2	<2.2	<2.3	<2.3	<2.3
Arsenic	16	16	2.4	2.4	7.7	2.9	5.3	4.4	4.6	3.4
Barium	400	10000	33.7	32.6	34.3	<22	365	35.9	32.8	42.4
Beryllium	590	2700	0.51	0.44	0.6	0.33	0.35	0.58	0.54	0.52
Cadmium	9.3	60	<0.57	<0.55	<0.55	<0.56	<0.56	<0.58	<0.58	<0.58
Calcium	-	-	1340	1890	1960	632	1400	1100	2650	2540
Chromium	-	-	14.9	12.9	16.6	8.2	12.3	14.4	12.7	13.3
Cobalt	-	-	6.6	5.7	7.4	<5.6	<5.6	6.6	6.3	6
Copper	270	10000	11.7	13	19.1	11.6	61.1	12.8	13	10.4
Iron	-	-	11200	9690	17900	9140	11100	16100	13600	13300
Lead	1000	3900	8.7	22.2	33.9	20.4	377	16.4	15.2	11.7
Magnesium	-	-	2470	2050	2610	1290	1760	2300	2930	2490
Manganese	10000	10000	167	180	181	141	167	273	258	257
Mercury	2.8	5.7	<0.037	<0.033	0.081	0.64	0.24	0.067	0.071	<0.037
Nickel	310	10000	23	21.8	16.8	10.2	17.9	13.8	15	14.2
Potassium	-	-	<1100	<1100	1420	<1100	<1100	<1200	1200	<1200
Selenium	1500	6800	<2.3	<2.2	<2.2	<2.2	<2.2	<2.3	<2.3	<2.3
Silver	1500	6800	<0.57	<0.55	0.66	<0.56	<0.56	<0.58	<0.58	<0.58
Sodium	-	-	<1100	<1100	<1100	<1100	<1100	<1200	<1200	<1200
Thallium	-	-	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.2	<1.2
Vanadium	-	-	21.2	17.5	22.9	13.9	15.4	21.2	20.4	19.2
Zinc	10000	10000	32.2	40.3	53.8	27.8	323	35.8	40.3	29.5
Cyanide	27	10000	<0.32	0.32	<0.31	<0.28	0.6	<0.28	<0.24	<0.32

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51
[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-24	TT-SB-25	TT-SB-26	TT-SB-27	S DUP-02	TT-SB-28	TT-SB-29	TT-SB-30
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	7.0-9.0	6.0-8.0	5.0-7.0		7.0-9.0	4.0-6.0	7.0-9.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/2/2021
Volatile Organic Compounds (ug/kg)										
Acetone	500000	1000000	19.1	ND (3.7)	23.6	ND (3.8)	14.9	9.7	4.7 J	8.8 J
Benzene	44000	89000	ND (0.46)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.41)	ND (0.42)	ND (0.46)	ND (0.44)
Bromochloromethane	-	-	ND (0.56)	ND (0.51)	ND (0.53)	ND (0.52)	ND (0.51)	ND (0.52)	ND (0.57)	ND (0.55)
Bromodichloromethane	-	-	ND (0.43)	ND (0.39)	ND (0.40)	ND (0.40)	ND (0.39)	ND (0.40)	ND (0.43)	ND (0.42)
Bromoform	-	-	ND (1.4)	ND (1.2)	ND (1.3)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.4)	ND (1.3)
Bromomethane	-	-	ND (0.77)	ND (0.69)	ND (0.72)	ND (0.71)	ND (0.69)	ND (0.71)	ND (0.77)	ND (0.74)
2-Butanone (MEK)	500000	1000000	ND (2.4)	ND (2.2)	4.5 J	ND (2.3)	ND (2.2)	ND (2.3)	ND (2.5)	ND (2.4)
Carbon disulfide	-	-	ND (0.54)	ND (0.48)	0.81 J	ND (0.50)	ND (0.49)	ND (0.50)	ND (0.54)	ND (0.52)
Carbon tetrachloride	22000	44000	ND (0.62)	ND (0.56)	ND (0.58)	ND (0.57)	ND (0.56)	ND (0.58)	ND (0.62)	ND (0.60)
Chlorobenzene	500000	1000000	ND (0.46)	ND (0.42)	ND (0.43)	ND (0.43)	ND (0.42)	ND (0.43)	ND (0.46)	ND (0.45)
Chloroethane	-	-	ND (0.59)	ND (0.53)	ND (0.56)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.60)	ND (0.58)
Chloroform	350000	700000	ND (0.52)	ND (0.47)	ND (0.49)	ND (0.48)	ND (0.47)	ND (0.48)	ND (0.52)	ND (0.51)
Chloromethane	-	-	ND (2.0)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (2.0)	ND (1.9)
Cyclohexane	-	-	ND (0.66)	ND (0.59)	ND (0.62)	ND (0.61)	ND (0.60)	ND (0.61)	ND (0.66)	ND (0.64)
1,2-Dibromo-3-chloropropane	-	-	ND (0.70)	ND (0.63)	ND (0.65)	ND (0.64)	ND (0.63)	ND (0.65)	ND (0.70)	ND (0.68)
Dibromochloromethane	-	-	ND (0.56)	ND (0.51)	ND (0.53)	ND (0.52)	ND (0.51)	ND (0.52)	ND (0.57)	ND (0.55)
1,2-Dibromoethane	-	-	ND (0.42)	ND (0.38)	ND (0.40)	ND (0.39)	ND (0.38)	ND (0.39)	ND (0.42)	ND (0.41)
1,2-Dichlorobenzene	500000	1000000	ND (0.55)	ND (0.49)	ND (0.52)	ND (0.51)	ND (0.50)	ND (0.51)	ND (0.55)	ND (0.53)
1,3-Dichlorobenzene	280000	560000	ND (0.50)	ND (0.45)	ND (0.47)	ND (0.46)	ND (0.45)	ND (0.46)	ND (0.50)	ND (0.48)
1,4-Dichlorobenzene	130000	250000	ND (0.50)	ND (0.45)	ND (0.47)	ND (0.46)	ND (0.45)	ND (0.46)	ND (0.50)	ND (0.48)
Dichlorodifluoromethane	-	-	ND (0.73)	ND (0.66)	ND (0.69)	ND (0.68)	ND (0.66)	ND (0.68)	ND (0.73)	ND (0.71)
1,1-Dichloroethane	240000	480000	ND (0.50)	ND (0.45)	ND (0.47)	ND (0.46)	ND (0.45)	ND (0.46)	ND (0.50)	ND (0.48)
1,2-Dichloroethane	30000	60000	ND (0.47)	ND (0.43)	ND (0.44)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.47)	ND (0.46)
1,1-Dichloroethene	500000	1000000	ND (0.66)	ND (0.59)	ND (0.62)	ND (0.61)	ND (0.59)	ND (0.61)	ND (0.66)	ND (0.64)
cis-1,2-Dichloroethene	500000	1000000	ND (0.84)	ND (0.76)	ND (0.79)	ND (0.78)	ND (0.76)	ND (0.78)	ND (0.85)	ND (0.82)
trans-1,2-Dichloroethene	500000	1000000	ND (0.61)	ND (0.55)	ND (0.58)	ND (0.57)	ND (0.55)	ND (0.57)	ND (0.62)	ND (0.59)
1,2-Dichloropropane	-	-	ND (0.48)	ND (0.43)	ND (0.45)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.48)	ND (0.46)
cis-1,3-Dichloropropene	-	-	ND (0.48)	ND (0.43)	ND (0.45)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.48)	ND (0.46)
trans-1,3-Dichloropropene	-	-	ND (0.46)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.41)	ND (0.43)	ND (0.46)	ND (0.44)
Ethylbenzene	390000	780000	ND (0.46)	ND (0.41)	0.90 J	ND (0.42)	ND (0.41)	ND (0.42)	ND (0.46)	ND (0.44)
Freon 113	-	-	ND (2.7)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.4)	ND (2.5)	ND (2.7)	ND (2.6)
2-Hexanone	-	-	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (1.9)	ND (2.0)	ND (2.1)	ND (2.1)
Isopropylbenzene	-	-	ND (1.4)	ND (1.3)	8	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.4)	ND (1.4)
Methyl Acetate	-	-	ND (1.4)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.4)	ND (1.4)
Methylcyclohexane	-	-	ND (0.88)	ND (0.79)	ND (0.83)	ND (0.81)	ND (0.79)	ND (0.82)	ND (0.88)	ND (0.85)
Methyl Tert Butyl Ether	500000	1000000	ND (0.47)	ND (0.42)	ND (0.44)	ND (0.44)	ND (0.43)	ND (0.44)	ND (0.47)	ND (0.46)
4-Methyl-2-pentanone(MIBK)	-	-	ND (2.3)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)	ND (2.2)
Methylene chloride	500000	1000000	ND (2.6)	ND (2.4)	ND (2.5)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.6)	ND (2.5)
Styrene	-	-	ND (0.40)	ND (0.36)	ND (0.38)	ND (0.37)	ND (0.36)	ND (0.37)	ND (0.41)	ND (0.39)
1,1,2,2-Tetrachloroethane	-	-	ND (0.60)	ND (0.54)	ND (0.57)	ND (0.56)	ND (0.54)	ND (0.56)	ND (0.60)	ND (0.58)
Tetrachloroethene	150000	300000	ND (0.58)	ND (0.52)	ND (0.55)	ND (0.54)	ND (0.53)	ND (0.54)	ND (0.59)	ND (0.56)
Toluene	500000	1000000	ND (0.53)	ND (0.48)	ND (0.50)	ND (0.49)	ND (0.48)	ND (0.49)	ND (0.53)	ND (0.51)
1,2,3-Trichlorobenzene	-	-	ND (2.5)	ND (2.3)	ND (2.4)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.5)	ND (2.4)
1,2,4-Trichlorobenzene	-	-	ND (2.5)	ND (2.3)	ND (2.4)	ND (2.3)	ND (2.3)	ND (2.3)	ND (2.5)	ND (2.4)
1,1,1-Trichloroethane	500000	1000000	ND (0.49)	ND (0.44)	ND (0.46)	ND (0.45)	ND (0.44)	ND (0.45)	ND (0.49)	ND (0.47)
1,1,2-Trichloroethane	-	-	ND (0.56)	ND (0.50)	ND (0.52)	ND (0.51)	ND (0.50)	ND (0.52)	ND (0.56)	ND (0.54)
Trichloroethene	200000	400000	ND (0.77)	ND (0.69)	ND (0.72)	ND (0.71)	ND (0.69)	ND (0.71)	ND (0.77)	ND (0.74)
Trichlorofluoromethane	-	-	ND (0.69)	ND (0.62)	ND (0.65)	ND (0.64)	ND (0.62)	ND (0.64)	ND (0.69)	ND (0.67)
Vinyl chloride	13000	27000	ND (0.48)	ND (0.44)	ND (0.45)	ND (0.45)	ND (0.44)	ND (0.45)	ND (0.49)	ND (0.47)
m,p-Xylene	-	-	ND (0.90)	ND (0.81)	1.3	ND (0.83)	ND (0.81)	ND (0.84)	ND (0.90)	ND (0.87)
o-Xylene	-	-	0.74 J	ND (0.41)	0.95	ND (0.43)	ND (0.42)	ND (0.43)	ND (0.46)	ND (0.45)
Xylene (total)	500000	1000000	0.74 J	ND (0.41)	2.3	ND (0.43)	ND (0.42)	ND (0.43)	ND (0.46)	ND (0.45)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-24	TT-SB-25	TT-SB-26	TT-SB-27	S DUP-02	TT-SB-28	TT-SB-29	TT-SB-30
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	7.0-9.0	6.0-8.0	5.0-7.0		7.0-9.0	4.0-6.0	7.0-9.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/2/2021
PFAS Compounds (ug/kg)										
Perfluorobutanoic acid	-	-	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.43)	ND (0.41)	ND (0.43)
Perfluoropentanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorohexanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluoroheptanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorooctanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorononanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorodecanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluoroundecanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorododecanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorotridecanoic acid	-	-	ND (0.30)	ND (0.30)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.30)	ND (0.29)	ND (0.30)
Perfluorotetradecanoic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorobutanesulfonic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorohexanesulfonic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluoroheptanesulfonic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorooctanesulfonic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	0.35 J	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Perfluorodecanesulfonic acid	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
PFOSA	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
MeFOSAA	-	-	ND (0.56)	ND (0.56)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.56)	ND (0.54)	ND (0.57)
EtFOSAA	-	-	ND (0.56)	ND (0.56)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.56)	ND (0.54)	ND (0.57)
6:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
8:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.28)
Semi Volatile Organic Compounds (ug/kg)										
2-Chlorophenol	-	-	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)
4-Chloro-3-methyl phenol	-	-	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)	ND (23)	ND (22)	ND (22)
2,4-Dichlorophenol	-	-	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)	ND (31)
2,4-Dimethylphenol	-	-	ND (65)	ND (64)	ND (65)	ND (64)	ND (64)	ND (66)	ND (65)	ND (65)
2,4-Dinitrophenol	-	-	ND (140)	ND (140)	ND (140)	ND (140)	ND (140)	ND (140)	ND (140)	ND (140)
4,6-Dinitro-o-cresol	-	-	ND (39)	ND (39)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (39)
2-Methylphenol	-	-	ND (23)	ND (23)	ND (23)	ND (23)	ND (23)	ND (24)	ND (23)	ND (23)
3&4-Methylphenol	-	-	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)
2-Nitrophenol	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
4-Nitrophenol	-	-	ND (98)	ND (97)	ND (97)	ND (97)	ND (97)	ND (99)	ND (97)	ND (97)
Pentachlorophenol	6700	55000	ND (34)	ND (34)	ND (34)	ND (34)	ND (34)	ND (35)	ND (34)	ND (34)
Phenol	-	-	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)	ND (19)
2,3,4,6-Tetrachlorophenol	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
2,4,5-Trichlorophenol	-	-	ND (27)	ND (27)	ND (27)	ND (27)	ND (27)	ND (28)	ND (27)	ND (27)
2,4,6-Trichlorophenol	-	-	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)	ND (22)
Acenaphthene	500000	1000000	32.0 J	21.8 J	3590	ND (12)	53.5	ND (13)	ND (13)	ND (13)
Acenaphthylene	500000	1000000	23.4 J	ND (18)	25.6 J	ND (18)	91	ND (19)	ND (19)	ND (18)
Acetophenone	-	-	ND (7.9)	ND (7.8)	ND (7.8)	ND (7.8)	ND (7.8)	ND (7.9)	ND (7.8)	ND (7.8)
Anthracene	500000	1000000	91.4	48	153	ND (22)	303	ND (23)	ND (22)	28.5 J
Atrazine	-	-	ND (16)	ND (15)	ND (16)	ND (15)	ND (15)	ND (16)	ND (16)	ND (16)
Benzo(a)anthracene	5600	11000	381	97.6	96.4	ND (10)	1780	ND (10)	43.9	75.6
Benzo(a)pyrene	1000	1100	364	80.3	74.5	ND (16)	**1560**	ND (17)	33.8 J	65.5
Benzo(b)fluoranthene	5600	11000	454	99.6	99.2	ND (16)	1940	ND (16)	50.4	81
Benzo(g,h,i)perylene	500000	1000000	258	48.4	55.6	ND (18)	892	ND (18)	18.2 J	39.8
Benzo(k)fluoranthene	56000	110000	160	39.9	30.5 J	ND (17)	690	ND (17)	ND (17)	28.7 J
4-Bromophenyl phenyl ether	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)
Butyl benzyl phthalate	-	-	ND (8.9)	ND (8.8)	ND (8.9)	ND (8.8)	ND (8.8)	ND (9.0)	ND (8.9)	ND (8.9)
1,1'-Biphenyl	-	-	ND (5.0)	ND (5.0)	26.3 J	ND (5.0)	ND (5.0)	ND (5.1)	ND (5.0)	ND (5.0)
Benzaldehyde	-	-	ND (9.1)	ND (9.0)	ND (9.1)	ND (9.0)	ND (9.0)	ND (9.2)	ND (9.1)	ND (9.0)
2-Chloronaphthalene	-	-	ND (8.7)	ND (8.6)	ND (8.7)	ND (8.6)	ND (8.6)	ND (8.8)	ND (8.7)	ND (8.6)
4-Chloroaniline	-	-	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)
Carbazole	-	-	28.4 J	18.7 J	96.6	ND (5.2)	45.3 J	ND (5.4)	ND (5.3)	12.3 J
Caprolactam	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (15)	ND (14)	ND (14)
Chrysene	56000	110000	381	91.2	98.9	ND (11)	1700	ND (12)	44	77.7
bis(2-Chloroethoxy)methane	-	-	ND (7.8)	ND (7.7)	ND (7.8)	ND (7.7)	ND (7.7)	ND (7.9)	ND (7.8)	ND (7.8)
bis(2-Chloroethyl)ether	-	-	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)
4-Chlorophenyl phenyl ether	-	-	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4-Dinitrotoluene	-	-	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)	ND (11)

Table 1
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Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-24	TT-SB-25	TT-SB-26	TT-SB-27	S DUP-02	TT-SB-28	TT-SB-29	TT-SB-30
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	7.0-9.0	6.0-8.0	5.0-7.0		7.0-9.0	4.0-6.0	7.0-9.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/2/2021
2,6-Dinitrotoluene	-	-	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (19)	ND (18)	ND (18)
3,3'-Dichlorobenzidine	-	-	ND (31)	ND (30)	ND (30)	ND (30)	ND (30)	ND (31)	ND (30)	ND (30)
1,4-Dioxane	-	-	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
Dibenzo(a,h)anthracene	560	1100	86.3	29.0 J	32.6 J	ND (16)	281	ND (16)	21.4 J	27.0 J
Dibenzofuran	350000	1000000	16.7 J	ND (15)	1570	ND (15)	24.5 J	ND (15)	ND (15)	ND (15)
Di-n-butyl phthalate	-	-	ND (6.0)	ND (5.9)	ND (6.0)	ND (5.9)	ND (5.9)	ND (6.0)	ND (6.0)	ND (5.9)
Di-n-octyl phthalate	-	-	ND (9.1)	ND (9.0)	ND (9.1)	ND (9.0)	ND (9.0)	ND (9.2)	ND (9.1)	ND (9.0)
Diethyl phthalate	-	-	ND (7.8)	ND (7.7)	ND (7.8)	ND (7.7)	ND (7.7)	ND (7.9)	ND (7.8)	ND (7.7)
Dimethyl phthalate	-	-	ND (6.5)	ND (6.4)	ND (6.5)	ND (6.4)	ND (6.4)	ND (6.6)	ND (6.5)	ND (6.5)
bis(2-Ethylhexyl)phthalate	-	-	ND (8.6)	ND (8.5)	68.6 J	ND (8.5)	ND (8.5)	ND (8.6)	ND (8.5)	ND (8.5)
Fluoranthene	500000	1000000	752	221	415	ND (16)	3090	ND (16)	80.3	151
Fluorene	500000	1000000	26.9 J	20.6 J	1350	ND (17)	45.7	ND (17)	ND (17)	ND (17)
Hexachlorobenzene	6000	12000	ND (9.3)	ND (9.2)	ND (9.2)	ND (9.2)	ND (9.2)	ND (9.3)	ND (9.2)	ND (9.2)
Hexachlorobutadiene	-	-	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)	ND (15)
Hexachlorocyclopentadiene	-	-	ND (15)	ND (14)	ND (15)	ND (14)	ND (14)	ND (15)	ND (15)	ND (14)
Hexachloroethane	-	-	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)	ND (18)
Indeno(1,2,3-cd)pyrene	5600	11000	311	76.4	76.1	ND (17)	1110	ND (17)	40.9	59
Isophorone	-	-	ND (7.8)	ND (7.7)	ND (7.8)	ND (7.7)	ND (7.7)	ND (7.9)	ND (7.8)	ND (7.8)
2-Methylnaphthalene	-	-	ND (8.3)	ND (8.2)	446	ND (8.2)	ND (8.2)	ND (8.3)	ND (8.3)	ND (8.2)
2-Nitroaniline	-	-	ND (8.6)	ND (8.5)	ND (8.6)	ND (8.5)	ND (8.5)	ND (8.7)	ND (8.6)	ND (8.6)
3-Nitroaniline	-	-	ND (9.1)	ND (9.1)	ND (9.1)	ND (9.0)	ND (9.0)	ND (9.2)	ND (9.1)	ND (9.1)
4-Nitroaniline	-	-	ND (9.5)	ND (9.4)	ND (9.5)	ND (9.4)	ND (9.4)	ND (9.6)	ND (9.5)	ND (9.4)
Naphthalene	500000	1000000	ND (10)	ND (10)	372	ND (10)	10.1 J	ND (10)	ND (10)	11.7 J
Nitrobenzene	-	-	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)	ND (14)
N-Nitroso-di-n-propylamine	-	-	ND (11)	ND (10)	ND (11)	ND (10)	ND (10)	ND (11)	ND (11)	ND (10)
N-Nitrosodiphenylamine	-	-	ND (13)	ND (13)	ND (13)	ND (13)	ND (13)	ND (14)	ND (13)	ND (13)
Phenanthrene	500000	1000000	362	208	1810	ND (12)	1050	ND (12)	36.8 J	139
Pyrene	500000	1000000	801	187	328	ND (12)	3030	ND (12)	81.4	161
1,2,4,5-Tetrachlorobenzene	-	-	ND (9.3)	ND (9.2)	ND (9.3)	ND (9.2)	ND (9.2)	ND (9.4)	ND (9.3)	ND (9.2)
1,4 Dioxane (ug/kg)										
1,4-Dioxane	-	-	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Pesticides and herbicides (ug/kg)										
Aldrin	680	1400	1.9 [a]	ND (0.55) [b]	ND (0.60)	ND (0.61) [b]	ND (0.56)	ND (0.57) [b]	ND (0.58)	ND (0.57) [b]
alpha-BHC	3400	6800	ND (0.53)	ND (0.54) [b]	1.9 [a]	ND (0.60) [b]	ND (0.56)	ND (0.56) [b]	ND (0.57)	ND (0.56) [b]
beta-BHC	3000	14000	ND (0.59)	ND (0.60) [b]	ND (0.65)	ND (0.67) [b]	ND (0.62)	ND (0.62) [b]	ND (0.64)	ND (0.62) [b]
delta-BHC	500000	1000000	ND (0.63)	ND (0.64) [b]	ND (0.69)	ND (0.71) [b]	ND (0.66)	ND (0.66) [b]	ND (0.67)	ND (0.66) [b]
gamma-BHC (Lindane)	9200	23000	2.3 [a]	ND (0.49) [b]	ND (0.53)	ND (0.55) [b]	2.1 [a]	ND (0.51) [b]	ND (0.52)	ND (0.51) [b]
alpha-Chlordane	24000	47000	2.8	ND (0.54) [b]	ND (0.58)	ND (0.60) [b]	ND (0.55)	ND (0.55) [b]	ND (0.57)	ND (0.56) [b]
gamma-Chlordane	-	-	2.4 [a]	ND (0.30) [b]	2.0 [a]	ND (0.34) [b]	ND (0.31)	ND (0.31) [b]	ND (0.32)	ND (0.31) [b]
Dieldrin	1400	28000	1.1 [a]	ND (0.46) [b]	ND (0.50)	ND (0.51) [b]	ND (0.47)	ND (0.47) [b]	ND (0.48)	ND (0.47) [b]
4,4'-DDD	92000	180000	5.8	ND (0.61) [b]	17.9	ND (0.68) [b]	3.2	ND (0.63) [b]	ND (0.64)	ND (0.63) [b]
4,4'-DDE	62000	120000	5.7	ND (0.58) [b]	5.4	ND (0.65) [b]	3.1	ND (0.60) [b]	ND (0.62)	ND (0.60) [b]
4,4'-DDT	47000	94000	3.5 [c]	ND (0.59) [b]	ND (0.64)	ND (0.66) [b]	ND (0.61)	ND (0.61) [b]	ND (0.62)	ND (0.61) [b]
Endrin	89000	410000	ND (0.51)	ND (0.52) [b]	ND (0.56)	ND (0.58) [b]	ND (0.53)	ND (0.53) [b]	ND (0.55)	ND (0.54) [b]
Endosulfan sulfate	200000	920000	ND (0.51)	ND (0.52) [b]	ND (0.56)	ND (0.58) [b]	ND (0.53)	ND (0.54) [b]	ND (0.55)	ND (0.54) [b]
Endrin aldehyde	-	-	ND (0.37)	ND (0.38) [b]	ND (0.41)	ND (0.42) [b]	ND (0.39)	ND (0.39) [b]	ND (0.40)	ND (0.39) [b]
Endosulfan-I	200000	920000	ND (0.38)	ND (0.38) [b]	ND (0.42)	ND (0.43) [b]	ND (0.39)	ND (0.40) [b]	ND (0.40)	ND (0.40) [b]
Endosulfan-II	200000	920000	2.7	ND (0.41) [b]	ND (0.45)	ND (0.46) [b]	ND (0.43)	ND (0.43) [b]	ND (0.44)	ND (0.43) [b]
Heptachlor	15000	29000	ND (0.56)	ND (0.57) [b]	ND (0.62)	ND (0.64) [b]	ND (0.59)	ND (0.59) [b]	ND (0.61)	ND (0.59) [b]
Heptachlor epoxide	-	-	0.84 [a]	ND (0.47) [b]	ND (0.51)	ND (0.52) [b]	ND (0.48)	ND (0.48) [b]	ND (0.49)	ND (0.48) [b]
Methoxychlor	-	-	ND (0.52)	ND (0.53) [b]	ND (0.57)	ND (0.59) [b]	ND (0.54)	ND (0.55) [b]	ND (0.56)	ND (0.55) [b]
Endrin ketone	-	-	ND (0.47)	ND (0.48)	ND (0.52)	ND (0.54)	ND (0.49)	ND (0.50)	ND (0.51)	ND (0.50)
Toxaphene	-	-	ND (15)	ND (15)	ND (17)	ND (17)	ND (16)	ND (16)	ND (16)	ND (16)
2,4-D	-	-	ND (7.9)	ND (7.4)	ND (7.5)	ND (8.2)	ND (7.4)	ND (7.8)	ND (7.8)	ND (7.7)
2,4,5-TP (Silvex)	500000	1000000	ND (2.0)	ND (1.9)	ND (1.9)	ND (2.1)	ND (1.9)	ND (2.0)	ND (2.0)	ND (1.9)
2,4,5-T	-	-	ND (1.8)	ND (1.7)	ND (1.7)	ND (1.8)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-24	TT-SB-25	TT-SB-26	TT-SB-27	S DUP-02	TT-SB-28	TT-SB-29	TT-SB-30
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	7.0-9.0	6.0-8.0	5.0-7.0		7.0-9.0	4.0-6.0	7.0-9.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/1/2021	12/2/2021
PCBs (ug/kg)										
Aroclor 1016	1000	25000	ND (17)	ND (15)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (16)
Aroclor 1221	1000	25000	ND (22)	ND (21)	ND (22)	ND (23)	ND (22)	ND (21)	ND (22)	ND (21)
Aroclor 1232	1000	25000	ND (23)	ND (21)	ND (23)	ND (24)	ND (23)	ND (22)	ND (22)	ND (22)
Aroclor 1242	1000	25000	ND (15)	ND (14)	ND (15)	ND (15)	ND (15)	ND (14)	ND (14)	ND (14)
Aroclor 1248	1000	25000	ND (32)	ND (30)	ND (32)	ND (33)	ND (32)	ND (31)	ND (31)	ND (31)
Aroclor 1254	1000	25000	ND (19)	ND (18)	ND (19)	ND (20)	ND (19)	ND (18)	ND (19)	ND (19)
Aroclor 1260	1000	25000	ND (15)	ND (14)	ND (15)	ND (16)	ND (15)	ND (15)	ND (15)	ND (15)
Aroclor 1268	1000	25000	ND (15)	ND (14)	ND (15)	ND (16)	ND (15)	ND (14)	ND (15)	ND (15)
Aroclor 1262	1000	25000	ND (23)	ND (22)	ND (24)	ND (24)	ND (23)	ND (22)	ND (23)	ND (23)
Metals (mg/kg)										
Aluminum	-	-	4260	6110	4270	7040	4840	5460	5590	5590
Antimony	-	-	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.2
Arsenic	16	16	2.8	5.2	3.9	3.2	3.5	2.8	3.1	3.8
Barium	400	10000	49.9	37	81.7	35.1	71.5	29.5	31.1	69.2
Beryllium	590	2700	0.24	0.38	0.28	0.52	0.29	0.46	0.49	0.48
Cadmium	9.3	60	<0.56	<0.58	<0.58	<0.59	<0.58	<0.57	<0.55	<0.56
Calcium	-	-	35300	1080	29800	1120	25100	1780	1660	4280
Chromium	-	-	10.3	11.7	9.2	12.7	12.8	12.7	11.1	13.4
Cobalt	-	-	<5.6	<5.8	<5.8	<5.9	<5.8	<5.7	<5.5	<5.6
Copper	270	10000	12.6	37.5	10.7	11.3	15.4	9.3	16	126
Iron	-	-	9130	11200	9130	11900	9810	11700	11200	12900
Lead	1000	3900	87.1	55.2	53.6	25	115	16.1	13.4	164
Magnesium	-	-	7890	2180	8370	2080	6320	3260	2430	2720
Manganese	10000	10000	193	239	582	232	195	301	276	174
Mercury	2.8	5.7	0.24	0.079	0.06	<0.029	0.13	<0.035	0.072	0.26
Nickel	310	10000	17.2	14.5	12.6	13.4	16.7	19.8	13.4	24.3
Potassium	-	-	<1100	<1200	<1200	<1200	<1200	1100	1100	1460
Selenium	1500	6800	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.2
Silver	1500	6800	<0.56	<0.58	<0.58	<0.59	<0.58	<0.57	<0.55	<0.56
Sodium	-	-	<1100	<1200	<1200	<1200	<1200	<1100	<1100	<1100
Thallium	-	-	<1.1	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1
Vanadium	-	-	15.1	17.4	21.4	21.1	15.1	18.6	17	19.6
Zinc	10000	10000	48.5	50.9	77	35.8	69.4	34.2	32.3	100
Cyanide	27	10000	<0.23	1.9	<0.23	<0.23	<0.23	<0.22	<0.33	<0.27

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51
[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-31	TT-SB-32	TT-SB-33	TT-SB-34	TT-SB-35	TT-SB-36	TT-SB-37	TT-SB-38
Sample Depth in feet bgs	Commercial	Industrial	6.0-8.0	7.0-9.0	4.5-6.5	4.0-6.0	3.0-5.0	6.0-8.0	7.0-9.0	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/2/2021	12/2/2021	12/2/2021	12/3/2021	12/3/2021	12/3/2021	12/3/2021	12/6/2021
Volatile Organic Compounds (ug/kg)										
Acetone	500000	1000000	4.3 J	ND (3.7)	17	ND (3.9)	ND (4.2)	ND (4.3)	ND (4.0)	11.5 J
Benzene	44000	89000	ND (0.38)	ND (0.41)	ND (0.45)	ND (0.43)	ND (0.46)	ND (0.48)	ND (0.44)	ND (0.54)
Bromochloromethane	-	-	ND (0.47)	ND (0.50)	ND (0.56)	ND (0.53)	ND (0.57)	ND (0.59)	ND (0.55)	ND (0.66)
Bromodichloromethane	-	-	ND (0.36)	ND (0.39)	ND (0.43)	ND (0.40)	ND (0.44)	ND (0.45)	ND (0.42)	ND (0.51)
Bromoform	-	-	ND (1.1)	ND (1.2)	ND (1.4)	ND (1.3)	ND (1.4)	ND (1.4)	ND (1.3)	ND (1.6)
Bromomethane	-	-	ND (0.65)	ND (0.69)	ND (0.76)	ND (0.72)	ND (0.78)	ND (0.80)	ND (0.74)	ND (0.90)
2-Butanone (MEK)	500000	1000000	ND (2.1)	ND (2.2)	ND (2.4)	ND (2.3)	ND (2.5)	ND (2.5)	ND (2.4)	ND (2.9)
Carbon disulfide	-	-	0.57 J	ND (0.48)	ND (0.53)	ND (0.50)	ND (0.55)	ND (0.56)	ND (0.52)	ND (0.63) [a]
Carbon tetrachloride	22000	44000	ND (0.52)	ND (0.56)	ND (0.61)	ND (0.58)	ND (0.63)	ND (0.65)	ND (0.60)	ND (0.73)
Chlorobenzene	500000	1000000	ND (0.39)	ND (0.41)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.48)	ND (0.45)	ND (0.54)
Chloroethane	-	-	ND (0.50)	ND (0.53)	ND (0.59)	ND (0.56)	ND (0.60)	ND (0.62)	ND (0.58)	ND (0.70)
Chloroform	350000	700000	ND (0.44)	ND (0.47)	ND (0.52)	ND (0.49)	ND (0.53)	ND (0.54)	ND (0.51)	ND (0.61)
Chloromethane	-	-	ND (1.7)	ND (1.8)	ND (1.9)	ND (1.8)	ND (2.0)	ND (2.1)	ND (1.9)	ND (2.3)
Cyclohexane	-	-	ND (0.55)	ND (0.59)	ND (0.65)	ND (0.62)	ND (0.67)	ND (0.69)	ND (0.64)	ND (0.78)
1,2-Dibromo-3-chloropropane	-	-	ND (0.59)	ND (0.63)	ND (0.69)	ND (0.65)	ND (0.71)	ND (0.73)	ND (0.68)	ND (0.82)
Dibromochloromethane	-	-	ND (0.47)	ND (0.50)	ND (0.56)	ND (0.53)	ND (0.57)	ND (0.59)	ND (0.55)	ND (0.66)
1,2-Dibromoethane	-	-	ND (0.36)	ND (0.38)	ND (0.42)	ND (0.40)	ND (0.43)	ND (0.44)	ND (0.41)	ND (0.50)
1,2-Dichlorobenzene	500000	1000000	ND (0.46)	ND (0.49)	ND (0.54)	ND (0.51)	ND (0.56)	ND (0.57)	ND (0.53)	ND (0.65)
1,3-Dichlorobenzene	280000	560000	ND (0.42)	ND (0.45)	ND (0.49)	ND (0.47)	ND (0.51)	ND (0.52)	ND (0.48)	ND (0.59)
1,4-Dichlorobenzene	130000	250000	ND (0.42)	ND (0.44)	ND (0.49)	ND (0.47)	ND (0.50)	ND (0.52)	ND (0.48)	ND (0.58)
Dichlorodifluoromethane	-	-	ND (0.61)	ND (0.65)	ND (0.72)	ND (0.69)	ND (0.74)	ND (0.76)	ND (0.71)	ND (0.86)
1,1-Dichloroethane	240000	480000	ND (0.42)	ND (0.45)	ND (0.49)	ND (0.47)	ND (0.50)	ND (0.52)	ND (0.48)	ND (0.59)
1,2-Dichloroethane	30000	60000	ND (0.40)	ND (0.42)	ND (0.47)	ND (0.44)	ND (0.48)	ND (0.49)	ND (0.46)	ND (0.56)
1,1-Dichloroethene	500000	1000000	ND (0.55)	ND (0.59)	ND (0.65)	ND (0.62)	ND (0.67)	ND (0.69)	ND (0.64)	ND (0.78) [a]
cis-1,2-Dichloroethene	500000	1000000	ND (0.71)	ND (0.76)	ND (0.83)	ND (0.79)	ND (0.86)	ND (0.88)	ND (0.82)	ND (0.99)
trans-1,2-Dichloroethene	500000	1000000	ND (0.52)	ND (0.55)	ND (0.61)	ND (0.58)	ND (0.62)	ND (0.64)	ND (0.59)	ND (0.72)
1,2-Dichloropropane	-	-	ND (0.40)	ND (0.43)	ND (0.47)	ND (0.45)	ND (0.48)	ND (0.50)	ND (0.46)	ND (0.56)
cis-1,3-Dichloropropene	-	-	ND (0.40)	ND (0.43)	ND (0.47)	ND (0.45)	ND (0.48)	ND (0.50)	ND (0.46)	ND (0.56)
trans-1,3-Dichloropropene	-	-	ND (0.39)	ND (0.41)	ND (0.45)	ND (0.43)	ND (0.47)	ND (0.48)	ND (0.44)	ND (0.54)
Ethylbenzene	390000	780000	ND (0.38)	ND (0.41)	ND (0.45)	ND (0.43)	ND (0.46)	ND (0.47)	ND (0.44)	ND (0.54)
Freon 113	-	-	ND (2.3)	ND (2.4)	ND (2.7)	ND (2.5)	ND (2.7)	ND (2.8)	ND (2.6)	ND (3.2)
2-Hexanone	-	-	ND (1.8)	ND (1.9)	ND (2.1)	ND (2.0)	ND (2.2)	ND (2.2)	ND (2.1)	ND (2.5)
Isopropylbenzene	-	-	ND (1.2)	ND (1.3)	ND (1.4)	ND (1.3)	ND (1.4)	ND (1.5)	ND (1.4)	ND (1.7)
Methyl Acetate	-	-	ND (1.2)	ND (1.3)	ND (1.4)	ND (1.3)	ND (1.4)	ND (1.5)	ND (1.4)	ND (1.6)
Methylcyclohexane	-	-	ND (0.74)	ND (0.79)	ND (0.87)	ND (0.82)	ND (0.89)	ND (0.92)	ND (0.85)	ND (1.0)
Methyl Tert Butyl Ether	500000	1000000	ND (0.40)	ND (0.42)	ND (0.47)	ND (0.44)	ND (0.48)	ND (0.49)	ND (0.46)	ND (0.56)
4-Methyl-2-pentanone(MIBK)	-	-	ND (1.9)	ND (2.0)	ND (2.3)	ND (2.1)	ND (2.3)	ND (2.4)	ND (2.2)	ND (2.7)
Methylene chloride	500000	1000000	ND (2.2)	ND (2.4)	ND (2.6)	ND (2.5)	ND (2.7)	ND (2.7)	3.2 J	ND (3.1)
Styrene	-	-	ND (0.34)	ND (0.36)	ND (0.40)	ND (0.38)	ND (0.41)	ND (0.42)	ND (0.39)	ND (0.48)
1,1,2,2-Tetrachloroethane	-	-	ND (0.51)	ND (0.54)	ND (0.60)	ND (0.56)	ND (0.61)	ND (0.63)	ND (0.58)	ND (0.71)
Tetrachloroethene	150000	300000	ND (0.49)	ND (0.52)	ND (0.58)	ND (0.55)	ND (0.59)	ND (0.61)	ND (0.56)	ND (0.69)
Toluene	500000	1000000	ND (0.44)	ND (0.47)	ND (0.52)	ND (0.49)	ND (0.54)	ND (0.55)	ND (0.51)	ND (0.62)
1,2,3-Trichlorobenzene	-	-	ND (2.1)	ND (2.3)	ND (2.5)	ND (2.4)	ND (2.5)	ND (2.6)	ND (2.4)	ND (3.0)
1,2,4-Trichlorobenzene	-	-	ND (2.1)	ND (2.3)	ND (2.5)	ND (2.4)	ND (2.5)	ND (2.6)	ND (2.4)	ND (3.0)
1,1,1-Trichloroethane	500000	1000000	ND (0.41)	ND (0.44)	ND (0.48)	ND (0.46)	ND (0.49)	ND (0.51)	ND (0.47)	ND (0.57)
1,1,2-Trichloroethane	-	-	ND (0.47)	ND (0.50)	ND (0.55)	ND (0.52)	ND (0.56)	ND (0.58)	ND (0.54)	ND (0.66)
Trichloroethene	200000	400000	ND (0.64)	ND (0.69)	ND (0.76)	ND (0.72)	ND (0.78)	ND (0.80)	ND (0.74)	ND (0.90)
Trichlorofluoromethane	-	-	ND (0.58)	ND (0.62)	ND (0.68)	ND (0.64)	ND (0.70)	ND (0.72)	ND (0.67)	ND (0.81)
Vinyl chloride	13000	27000	ND (0.41)	ND (0.43)	ND (0.48)	ND (0.45)	ND (0.49)	ND (0.50)	ND (0.47)	ND (0.57)
m,p-Xylene	-	-	ND (0.76)	ND (0.81)	ND (0.89)	ND (0.84)	ND (0.91)	ND (0.94)	ND (0.87)	ND (1.1)
o-Xylene	-	-	ND (0.39)	ND (0.41)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.48)	ND (0.45)	ND (0.54)
Xylene (total)	500000	1000000	ND (0.39)	ND (0.41)	ND (0.46)	ND (0.43)	ND (0.47)	ND (0.48)	ND (0.45)	ND (0.54)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-31	TT-SB-32	TT-SB-33	TT-SB-34	TT-SB-35	TT-SB-36	TT-SB-37	TT-SB-38
Sample Depth in feet bgs	Commercial	Industrial	6.0-8.0	7.0-9.0	4.5-6.5	4.0-6.0	3.0-5.0	6.0-8.0	7.0-9.0	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/2/2021	12/2/2021	12/2/2021	12/3/2021	12/3/2021	12/3/2021	12/3/2021	12/6/2021
PFAS Compounds (ug/kg)										
Perfluorobutanoic acid	-	-	ND (0.42)	ND (0.45)	ND (0.42)	ND (0.47)	ND (0.40)	ND (0.41)	ND (0.39)	ND (0.44)
Perfluoropentanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorohexanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluoroheptanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorooctanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorononanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorodecanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluoroundecanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorododecanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorotridecanoic acid	-	-	ND (0.29)	ND (0.31)	ND (0.30)	ND (0.33)	ND (0.28)	ND (0.29)	ND (0.27)	ND (0.31)
Perfluorotetradecanoic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorobutanesulfonic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorohexanesulfonic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluoroheptanesulfonic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorooctanesulfonic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Perfluorodecanesulfonic acid	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
PFOSA	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
MeFOSAA	-	-	ND (0.55)	ND (0.59)	ND (0.56)	ND (0.62)	ND (0.53)	ND (0.55)	ND (0.51)	ND (0.58)
EtFOSAA	-	-	ND (0.55)	ND (0.59)	ND (0.56)	ND (0.62)	ND (0.53)	ND (0.55)	ND (0.51)	ND (0.58)
6:2 Fluorotelomer sulfonate	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
8:2 Fluorotelomer sulfonate	-	-	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.31)	ND (0.27)	ND (0.27)	ND (0.26)	ND (0.29)
Semi Volatile Organic Compounds (ug/kg)										
2-Chlorophenol	-	-	ND (18)	ND (19)	ND (17)	ND (19)	ND (34)	ND (17)	ND (17)	ND (18)
4-Chloro-3-methyl phenol	-	-	ND (22)	ND (23)	ND (22)	ND (24)	ND (43)	ND (21)	ND (21)	ND (23)
2,4-Dichlorophenol	-	-	ND (31)	ND (32)	ND (30)	ND (34)	ND (60)	ND (30)	ND (29)	ND (32)
2,4-Dimethylphenol	-	-	ND (64)	ND (68)	ND (63)	ND (70)	ND (120)	ND (62)	ND (61)	ND (66)
2,4-Dinitrophenol	-	-	ND (140)	ND (140)	ND (130)	ND (150) [a]	ND (260) [b]	ND (130) [a]	ND (130) [a]	ND (140) [b]
4,6-Dinitro-o-cresol	-	-	ND (39)	ND (41)	ND (38)	ND (42) [a]	ND (75) [b]	ND (37) [a]	ND (37) [a]	ND (40) [b]
2-Methylphenol	-	-	ND (23)	ND (24)	ND (23)	ND (25)	ND (45)	ND (22)	ND (22)	ND (24)
3&4-Methylphenol	-	-	ND (30)	ND (31)	ND (29)	ND (32)	ND (57)	ND (29)	ND (28)	ND (30)
2-Nitrophenol	-	-	ND (24)	ND (25)	ND (23)	ND (26) [a]	ND (46) [b]	ND (23) [a]	ND (23) [a]	ND (24) [b]
4-Nitrophenol	-	-	ND (97)	ND (100)	ND (94)	ND (100)	ND (190)	ND (94)	ND (92)	ND (99)
Pentachlorophenol	6700	55000	ND (34)	ND (36)	ND (33)	ND (37)	ND (66)	ND (33)	ND (32)	ND (35)
Phenol	-	-	ND (19)	ND (20)	ND (18)	ND (21)	ND (36)	ND (18)	ND (18)	ND (19)
2,3,4,6-Tetrachlorophenol	-	-	ND (24)	ND (25)	ND (23)	ND (26) [a]	ND (46) [b]	ND (23) [a]	ND (23) [a]	ND (25) [b]
2,4,5-Trichlorophenol	-	-	ND (27)	ND (28)	ND (26)	ND (29)	ND (52)	ND (26)	ND (26)	ND (28)
2,4,6-Trichlorophenol	-	-	ND (22)	ND (23)	ND (21)	ND (23)	ND (42)	ND (21)	ND (21)	ND (22)
Acenaphthene	500000	1000000	17.8 J	ND (13)	27.8 J	72.5	83	ND (12)	ND (12)	233
Acenaphthylene	500000	1000000	ND (18)	ND (19)	90.9	43.2	73.3	ND (18)	ND (18)	78.1
Acetophenone	-	-	ND (7.8)	ND (8.2)	ND (7.6)	ND (8.4) [a]	ND (15) [b]	ND (7.5) [a]	ND (7.4) [a]	ND (8.0) [b]
Anthracene	500000	1000000	51.5	ND (23)	146	294	274	ND (21)	ND (21)	619
Atrazine	-	-	ND (15)	ND (16)	ND (15)	ND (17) [a]	ND (30) [c]	ND (15) [a]	ND (15) [a]	ND (16) [b]
Benzo(a)anthracene	5600	11000	381	14.9 J	746	1020	852	36.7	37.5	1120
Benzo(a)pyrene	1000	1100	461	ND (17)	965	870	762	36.4	35.2	**1130**
Benzo(b)fluoranthene	5600	11000	568	ND (17)	985	994	986	39.5	39.3	1470
Benzo(g,h,i)perylene	500000	1000000	356	ND (19)	593	504	474	21.6 J	21.9 J	664
Benzo(k)fluoranthene	56000	110000	204	ND (18)	361	406	403	17.7 J	ND (16)	570
4-Bromophenyl phenyl ether	-	-	ND (14)	ND (15)	ND (14)	ND (15)	ND (27)	ND (14)	ND (13)	ND (14)
Butyl benzyl phthalate	-	-	ND (8.8)	ND (9.3)	ND (8.6)	ND (9.6)	ND (17)	ND (8.5)	ND (8.4)	ND (9.0)
1,1'-Biphenyl	-	-	ND (5.0)	ND (5.2)	5.5 J	12.3 J	10.5 J	ND (4.8)	ND (4.7)	44.4 J
Benzaldehyde	-	-	ND (9.0)	ND (9.4)	ND (8.8)	ND (9.7)	ND (17)	ND (8.7)	ND (8.6)	ND (9.2)
2-Chloronaphthalene	-	-	ND (8.6)	ND (9.0)	ND (8.4)	ND (9.3)	ND (17)	ND (8.3)	ND (8.2)	ND (8.8)
4-Chloroaniline	-	-	ND (13)	ND (14)	ND (13)	ND (14)	ND (25)	ND (13)	ND (12)	ND (13)
Carbazole	-	-	7.5 J	ND (5.5)	15.7 J	71.5 J	93.8 J	ND (5.1)	ND (5.0)	293
Caprolactam	-	-	ND (14)	ND (15)	ND (14)	ND (16) [a]	ND (28)	ND (14) [a]	ND (14) [a]	ND (15)
Chrysene	56000	110000	362	ND (12)	702	1140	862	34.2 J	29.9 J	1150
bis(2-Chloroethoxy)methane	-	-	ND (7.7)	ND (8.1)	ND (7.6)	ND (8.4)	ND (15)	ND (7.5)	ND (7.4)	ND (7.9)
bis(2-Chloroethyl)ether	-	-	ND (16)	ND (16)	ND (15)	ND (17)	ND (30)	ND (15)	ND (15)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (13)	ND (14)	ND (13)	ND (14)	ND (25)	ND (13)	ND (12)	ND (13)
4-Chlorophenyl phenyl ether	-	-	ND (12)	ND (12)	ND (11)	ND (13)	ND (23)	ND (11)	ND (11)	ND (12)
2,4-Dinitrotoluene	-	-	ND (11)	ND (12)	ND (11)	ND (12) [a]	ND (22) [b]	ND (11) [a]	ND (11) [a]	ND (11) [b]

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-31	TT-SB-32	TT-SB-33	TT-SB-34	TT-SB-35	TT-SB-36	TT-SB-37	TT-SB-38
Sample Depth in feet bgs	Commercial	Industrial	6.0-8.0	7.0-9.0	4.5-6.5	4.0-6.0	3.0-5.0	6.0-8.0	7.0-9.0	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/2/2021	12/2/2021	12/2/2021	12/3/2021	12/3/2021	12/3/2021	12/3/2021	12/6/2021
2,6-Dinitrotoluene	-	-	ND (18)	ND (19)	ND (18)	ND (20)	ND (35)	ND (18)	ND (17)	ND (19)
3,3'-Dichlorobenzidine	-	-	ND (30)	ND (32)	ND (29)	ND (33)	ND (58)	ND (29)	ND (29)	ND (31)
1,4-Dioxane	-	-	ND (24)	ND (25)	ND (23)	ND (26)	ND (46)	ND (23)	ND (23)	ND (24)
Dibenzo(a,h)anthracene	560	1100	104	ND (17)	157	145	161	ND (15)	ND (15)	219
Dibenzofuran	350000	1000000	ND (15)	ND (15)	34.7 J	68.0 J	55.2 J	ND (14)	ND (14)	237
Di-n-butyl phthalate	-	-	ND (5.9)	ND (6.2)	ND (5.8)	21.2 JB	ND (11)	21.1 JB	42.5 JB	13.6 JB
Di-n-octyl phthalate	-	-	ND (9.0)	ND (9.5)	ND (8.8)	ND (9.8)	ND (17)	ND (8.7)	ND (8.6)	ND (9.2)
Diethyl phthalate	-	-	ND (7.7)	ND (8.1)	ND (7.5)	ND (8.4)	ND (15)	ND (7.5)	ND (7.3)	ND (7.9)
Dimethyl phthalate	-	-	ND (6.4)	ND (6.8)	ND (6.3)	ND (7.0)	ND (12)	ND (6.2)	ND (6.1)	ND (6.6)
bis(2-Ethylhexyl)phthalate	-	-	64.1 J	ND (8.9)	ND (8.3)	57.6 J	230	50.9 J	39.8 J	56.0 J
Fluoranthene	500000	1000000	545	17.2 J	1200	1760	1760	57.2	53.4	2170
Fluorene	500000	1000000	ND (17)	ND (17)	35.8	56.1	84.3	ND (16)	ND (16)	322
Hexachlorobenzene	6000	12000	ND (9.2)	ND (9.6)	ND (8.9)	ND (9.9)	ND (18)	ND (8.9)	ND (8.7)	ND (9.4)
Hexachlorobutadiene	-	-	ND (15)	ND (15)	ND (14)	ND (16)	ND (28) [b]	ND (14)	ND (14)	ND (15) [b]
Hexachlorocyclopentadiene	-	-	ND (14)	ND (15)	ND (14)	ND (16) [a]	ND (28)	ND (14) [a]	ND (14) [a]	ND (15)
Hexachloroethane	-	-	ND (18)	ND (19)	ND (18)	ND (19)	ND (35)	ND (17)	ND (17)	ND (18)
Indeno(1,2,3-cd)pyrene	5600	11000	429	ND (18)	735	579	559	23.8 J	23.6 J	806
Isophorone	-	-	ND (7.7)	ND (8.1)	ND (7.6)	ND (8.4)	ND (15)	ND (7.5)	ND (7.4)	ND (7.9)
2-Methylnaphthalene	-	-	ND (8.2)	ND (8.6)	8.7 J	34.1 J	28.8 J	ND (7.9)	ND (7.8)	157
2-Nitroaniline	-	-	ND (8.5)	ND (9.0)	ND (8.3)	ND (9.3) [a]	ND (16) [b]	ND (8.3) [a]	ND (8.1) [a]	ND (8.7) [b]
3-Nitroaniline	-	-	ND (9.0)	ND (9.5)	ND (8.8)	ND (9.8)	ND (17)	ND (8.8)	ND (8.6)	ND (9.3)
4-Nitroaniline	-	-	ND (9.4)	ND (9.8)	ND (9.2)	ND (10)	ND (18)	ND (9.1)	ND (8.9)	ND (9.6)
Naphthalene	500000	1000000	ND (10)	ND (11)	23.7 J	72.9	32.0 J	ND (9.9)	ND (9.7)	273
Nitrobenzene	-	-	ND (14)	ND (15)	ND (14)	ND (15)	ND (27)	ND (14)	ND (13)	ND (14)
N-Nitroso-di-n-propylamine	-	-	ND (10)	ND (11)	ND (10)	ND (11) [a]	ND (20) [b]	ND (10) [a]	ND (10) [a]	ND (11) [b]
N-Nitrosodiphenylamine	-	-	ND (13)	ND (14)	ND (13)	ND (14)	ND (26)	ND (13)	ND (13)	ND (14)
Phenanthrene	500000	1000000	136	ND (13)	282	1180	1210	16.2 J	24.8 J	2010
Pyrene	500000	1000000	644	17.7 J	1350	2050	1630	61.6	54.8	2180
1,2,4,5-Tetrachlorobenzene	-	-	ND (9.2)	ND (9.7)	ND (9.0)	ND (10)	ND (18)	ND (8.9)	ND (8.8)	ND (9.4)
1,4 Dioxane (ug/kg)										
1,4-Dioxane	-	-	2.06 J	2.09 J	ND (1.8)	ND (2.0)	ND (3.5)	ND (1.8)	ND (1.7)	ND (1.9)
Pesticides and herbicides (ug/kg)										
Aldrin	680	1400	ND (0.55)	ND (0.63) [b]	ND (0.60) [b]	ND (0.63)	ND (0.58)	ND (0.57)	ND (0.53)	2.1 [e]
alpha-BHC	3400	6800	ND (0.54)	ND (0.62) [b]	ND (0.59) [b]	ND (0.62)	ND (0.57)	ND (0.56)	ND (0.52)	ND (0.59)
beta-BHC	3000	14000	ND (0.60)	ND (0.69) [b]	ND (0.65) [b]	ND (0.69)	ND (0.63)	ND (0.63)	ND (0.58)	ND (0.65)
delta-BHC	500000	1000000	ND (0.64)	ND (0.73) [b]	ND (0.69) [b]	ND (0.74)	ND (0.67)	ND (0.67)	ND (0.62)	ND (0.69)
gamma-BHC (Lindane)	9200	23000	ND (0.49)	ND (0.56) [b]	ND (0.53) [b]	ND (0.56)	ND (0.52)	ND (0.51)	ND (0.48)	ND (0.53)
alpha-Chlordane	24000	47000	14.6 [a]	ND (0.62) [b]	ND (0.58) [b]	ND (0.62)	4.0 [d]	ND (0.56)	ND (0.52)	ND (0.58)
gamma-Chlordane	-	-	21.2	ND (0.35) [b]	ND (0.33) [b]	ND (0.35)	3.9	ND (0.31)	ND (0.29)	ND (0.33)
Dieldrin	1400	28000	4.1 [a]	ND (0.53) [b]	ND (0.50) [b]	ND (0.53)	1.7 [d]	ND (0.48)	ND (0.44)	1.1 [e]
4,4'-DDD	92000	180000	ND (0.61)	ND (0.70) [b]	ND (0.66) [b]	2.3 [d]	3.5	ND (0.64)	ND (0.59)	4.8
4,4'-DDE	62000	120000	6.8	ND (0.67) [b]	ND (0.63) [b]	ND (0.67)	11.7 [d]	ND (0.61)	ND (0.57)	4.3
4,4'-DDT	47000	94000	2.7 [c]	ND (0.68) [b]	ND (0.64) [b]	6.3 [d]	22.1	ND (0.61)	ND (0.57)	4.8
Endrin	89000	410000	ND (0.52)	ND (0.59) [b]	ND (0.56) [b]	ND (0.60)	ND (0.55)	ND (0.54)	ND (0.50)	ND (0.56)
Endosulfan sulfate	200000	920000	ND (0.52)	ND (0.60) [b]	ND (0.57) [b]	ND (0.60)	ND (0.55)	ND (0.54)	ND (0.50)	ND (0.56)
Endrin aldehyde	-	-	ND (0.38)	ND (0.43) [b]	ND (0.41) [b]	ND (0.43)	ND (0.40)	ND (0.39)	ND (0.37)	ND (0.41)
Endosulfan-I	200000	920000	ND (0.38)	ND (0.44) [b]	ND (0.42) [b]	ND (0.44)	ND (0.40)	ND (0.40)	ND (0.37)	ND (0.42)
Endosulfan-II	200000	920000	ND (0.41)	ND (0.48) [b]	ND (0.45) [b]	ND (0.48)	ND (0.44)	ND (0.43)	ND (0.40)	ND (0.45)
Heptachlor	15000	29000	3.2	ND (0.66) [b]	ND (0.62) [b]	ND (0.66)	ND (0.61)	ND (0.60)	ND (0.56)	ND (0.62)
Heptachlor epoxide	-	-	3.0 [a]	ND (0.54) [b]	ND (0.51) [b]	ND (0.54)	ND (0.49)	ND (0.49)	ND (0.45)	ND (0.51)
Methoxychlor	-	-	ND (0.53)	ND (0.61) [b]	ND (0.58) [b]	ND (0.61)	ND (0.56)	ND (0.55)	ND (0.51)	ND (0.57)
Endrin ketone	-	-	ND (0.48)	ND (0.55)	ND (0.52)	ND (0.55)	8.9	ND (0.50)	ND (0.47)	ND (0.52)
Toxaphene	-	-	ND (15)	ND (18)	ND (17)	ND (18)	ND (16)	ND (16)	ND (15)	ND (17)
2,4-D	-	-	ND (7.6)	ND (8.4)	ND (8.0)	ND (8.8)	ND (7.3)	ND (7.2)	ND (7.5)	ND (7.8)
2,4,5-TP (Silvex)	500000	1000000	ND (1.9)	ND (2.1)	ND (2.0)	ND (2.2)	ND (1.8)	ND (1.8)	ND (1.9)	ND (2.0)
2,4,5-T	-	-	ND (1.7)	ND (1.9)	ND (1.8)	ND (2.0)	ND (1.6)	ND (1.6)	ND (1.7)	ND (1.7)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-31	TT-SB-32	TT-SB-33	TT-SB-34	TT-SB-35	TT-SB-36	TT-SB-37	TT-SB-38
Sample Depth in feet bgs	Commercial	Industrial	6.0-8.0	7.0-9.0	4.5-6.5	4.0-6.0	3.0-5.0	6.0-8.0	7.0-9.0	7.5-9.5
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/2/2021	12/2/2021	12/2/2021	12/3/2021	12/3/2021	12/3/2021	12/3/2021	12/6/2021
PCBs (ug/kg)										
Aroclor 1016	1000	25000	ND (17)	ND (18)	ND (17)	ND (18)	ND (16)	ND (16)	ND (15)	ND (17)
Aroclor 1221	1000	25000	ND (22)	ND (24)	ND (22)	ND (24)	ND (22)	ND (22)	ND (20)	ND (22)
Aroclor 1232	1000	25000	ND (23)	ND (24)	ND (23)	ND (24)	ND (22)	ND (22)	ND (21)	ND (23)
Aroclor 1242	1000	25000	ND (15)	ND (16)	ND (15)	ND (16)	ND (14)	ND (14)	ND (13)	ND (15)
Aroclor 1248	1000	25000	ND (32)	ND (34)	ND (32)	ND (34)	ND (31)	ND (31)	ND (29)	ND (32)
Aroclor 1254	1000	25000	ND (19)	ND (21)	ND (19)	ND (21)	ND (19)	ND (19)	ND (17)	ND (19)
Aroclor 1260	1000	25000	ND (15)	ND (16)	ND (15)	ND (16)	ND (15)	ND (15)	ND (14)	ND (15)
Aroclor 1268	1000	25000	ND (15)	ND (16)	ND (15)	ND (16)	ND (15)	ND (15)	ND (14)	ND (15)
Aroclor 1262	1000	25000	ND (23)	ND (25)	ND (24)	ND (25)	ND (23)	ND (23)	ND (21)	ND (24)
Metals (mg/kg)										
Aluminum	-	-	4560	5170	5120	6160	4250	2760	2410	7760
Antimony	-	-	<2.3	<2.5	<2.3	<2.5	<2.1	<2.2	<2.2	<2.4
Arsenic	16	16	<2.3	2.7	3.2	4.2	<10 [e]	3.2	<2.2	9.4 [f]
Barium	400	10000	34.8	48.3	35.8	31.8	<100 [e]	<22	<22	**425**
Beryllium	590	2700	0.38	0.46	0.37	0.39	<1.0 [e]	<0.22	<0.22	0.52
Cadmium	9.3	60	<0.58	<0.62	<0.58	<0.63	<2.6 [e]	<0.55	<0.54	0.69
Calcium	-	-	8460	1910	1760	16500	77500	626	4160	30900
Chromium	-	-	10.9	11.9	12	15.1	7.9 [e]	6.8	7.4	16.4
Cobalt	-	-	<5.8	<6.2	<5.8	<6.3	<26 [e]	<5.5	<5.4	6.5
Copper	270	10000	15.4	12.2	22.7	17.6	19.4 [e]	3.8	5.9	45.5 [f]
Iron	-	-	10400	11500	10000	14800	7910	8390	6040	25500
Lead	1000	3900	32.2	19.4	45	180	79.1	8.7	11.3	563
Magnesium	-	-	3060	2430	2180	3180	6380	1870	1720	4230
Manganese	10000	10000	136	274	167	223	301	97	77.2	261 [f]
Mercury	2.8	5.7	0.038	<0.030	0.1	0.22	0.18	0.075	0.056	0.4
Nickel	310	10000	17.7	13.9	20.8	21.7	-	14.3	18.9	26.4
Potassium	-	-	<1200	1270	<1200	<1300	<1000	<1100	<1100	1390
Selenium	1500	6800	<2.3	<2.5	<2.3	<2.5	<10 [e]	<2.2	<2.2	<4.8 [f]
Silver	1500	6800	<0.58	<0.62	<0.58	<0.63	<2.6 [e]	<0.55	<0.54	<1.2 [f]
Sodium	-	-	<1200	2510	<1200	<1300	<1000	<1100	<1100	<1200
Thallium	-	-	<1.2	<1.2	<1.2	<1.3	<5.1 [e]	<1.1	<1.1	<2.4 [f]
Vanadium	-	-	18.5	19.2	16.2	23	21	9.3	9.5	25
Zinc	10000	10000	46.4	36.2	47.9	46.3	70.2	18.3	20.3	342
Cyanide	27	10000	<0.26	<0.27	<0.25	<0.27	<0.23	<0.21	<0.25	0.38

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51
[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-39	TT-SB-40
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/6/2021	12/6/2021
Volatile Organic Compounds (ug/kg)				
Acetone	500000	1000000	10.1 J	19.4
Benzene	44000	89000	ND (0.49)	ND (0.45)
Bromochloromethane	-	-	ND (0.61)	ND (0.56)
Bromodichloromethane	-	-	ND (0.46)	ND (0.43)
Bromoform	-	-	ND (1.5)	ND (1.4)
Bromomethane	-	-	ND (0.83)	ND (0.76)
2-Butanone (MEK)	500000	1000000	ND (2.6)	ND (2.4)
Carbon disulfide	-	-	ND (0.58) [a]	0.90 J [b]
Carbon tetrachloride	22000	44000	ND (0.67)	ND (0.61)
Chlorobenzene	500000	1000000	ND (0.50)	ND (0.46)
Chloroethane	-	-	ND (0.64)	ND (0.59)
Chloroform	350000	700000	ND (0.56)	ND (0.52)
Chloromethane	-	-	ND (2.1)	ND (1.9)
Cyclohexane	-	-	ND (0.71)	ND (0.65)
1,2-Dibromo-3-chloropropane	-	-	ND (0.75)	ND (0.69)
Dibromochloromethane	-	-	ND (0.61)	ND (0.56)
1,2-Dibromoethane	-	-	ND (0.46)	ND (0.42)
1,2-Dichlorobenzene	500000	1000000	ND (0.59)	ND (0.54)
1,3-Dichlorobenzene	280000	560000	ND (0.54)	ND (0.49)
1,4-Dichlorobenzene	130000	250000	ND (0.54)	ND (0.49)
Dichlorodifluoromethane	-	-	ND (0.79)	ND (0.72)
1,1-Dichloroethane	240000	480000	ND (0.54)	ND (0.49)
1,2-Dichloroethane	30000	60000	ND (0.51)	ND (0.47)
1,1-Dichloroethene	500000	1000000	ND (0.71) [a]	ND (0.65) [a]
cis-1,2-Dichloroethene	500000	1000000	ND (0.91)	ND (0.83)
trans-1,2-Dichloroethene	500000	1000000	ND (0.66)	ND (0.61)
1,2-Dichloropropane	-	-	ND (0.51)	ND (0.47)
cis-1,3-Dichloropropene	-	-	ND (0.51)	ND (0.47)
trans-1,3-Dichloropropene	-	-	ND (0.50)	ND (0.45)
Ethylbenzene	390000	780000	ND (0.49)	ND (0.45)
Freon 113	-	-	ND (2.9)	ND (2.7)
2-Hexanone	-	-	ND (2.3)	ND (2.1)
Isopropylbenzene	-	-	ND (1.5)	ND (1.4)
Methyl Acetate	-	-	ND (1.5)	ND (1.4)
Methylcyclohexane	-	-	ND (0.95)	ND (0.87)
Methyl Tert Butyl Ether	500000	1000000	ND (0.51)	ND (0.47)
4-Methyl-2-pentanone(MIBK)	-	-	ND (2.5)	ND (2.3)
Methylene chloride	500000	1000000	ND (2.8)	ND (2.6)
Styrene	-	-	ND (0.44)	ND (0.40)
1,1,2,2-Tetrachloroethane	-	-	ND (0.65)	ND (0.60)
Tetrachloroethene	150000	300000	ND (0.63)	ND (0.58)
Toluene	500000	1000000	ND (0.57)	ND (0.52)
1,2,3-Trichlorobenzene	-	-	ND (2.7)	ND (2.5)
1,2,4-Trichlorobenzene	-	-	ND (2.7)	ND (2.5)
1,1,1-Trichloroethane	500000	1000000	ND (0.52)	ND (0.48)
1,1,2-Trichloroethane	-	-	ND (0.60)	ND (0.55)
Trichloroethene	200000	400000	ND (0.83)	ND (0.76)
Trichlorofluoromethane	-	-	ND (0.74)	ND (0.68)
Vinyl chloride	13000	27000	ND (0.52)	ND (0.48)
m,p-Xylene	-	-	ND (0.97)	ND (0.89)
o-Xylene	-	-	ND (0.50)	ND (0.45)
Xylene (total)	500000	1000000	ND (0.50)	ND (0.45)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-39	TT-SB-40
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/6/2021	12/6/2021
PFAS Compounds (ug/kg)				
Perfluorobutanoic acid	-	-	ND (0.42)	ND (0.42)
Perfluoropentanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorohexanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluoroheptanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorooctanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorononanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorodecanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluoroundecanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorododecanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorotridecanoic acid	-	-	ND (0.30)	ND (0.30)
Perfluorotetradecanoic acid	-	-	ND (0.28)	ND (0.28)
Perfluorobutanesulfonic acid	-	-	ND (0.28)	ND (0.28)
Perfluorohexanesulfonic acid	-	-	ND (0.28)	ND (0.28)
Perfluoroheptanesulfonic acid	-	-	ND (0.28)	ND (0.28)
Perfluorooctanesulfonic acid	-	-	ND (0.28)	ND (0.28)
Perfluorodecanesulfonic acid	-	-	ND (0.28)	ND (0.28)
PFOSA	-	-	ND (0.28)	ND (0.28)
MeFOSAA	-	-	ND (0.56)	ND (0.56)
EtFOSAA	-	-	ND (0.56)	ND (0.56)
6:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.28)
8:2 Fluorotelomer sulfonate	-	-	ND (0.28)	ND (0.28)
Semi Volatile Organic Compounds (ug/kg)				
2-Chlorophenol	-	-	ND (88)	ND (18)
4-Chloro-3-methyl phenol	-	-	ND (110)	ND (23)
2,4-Dichlorophenol	-	-	ND (150)	ND (32)
2,4-Dimethylphenol	-	-	ND (320)	ND (67)
2,4-Dinitrophenol	-	-	ND (670) [c]	ND (140) [b]
4,6-Dinitro-o-cresol	-	-	ND (190) [c]	ND (40) [b]
2-Methylphenol	-	-	ND (110)	ND (24)
3&4-Methylphenol	-	-	ND (150)	ND (31)
2-Nitrophenol	-	-	ND (120) [c]	ND (25) [b]
4-Nitrophenol	-	-	ND (480)	ND (100)
Pentachlorophenol	6700	55000	ND (170)	ND (35)
Phenol	-	-	ND (93)	ND (20)
2,3,4,6-Tetrachlorophenol	-	-	ND (120)	ND (25) [b]
2,4,5-Trichlorophenol	-	-	ND (130)	ND (28)
2,4,6-Trichlorophenol	-	-	ND (110)	ND (22)
Acenaphthene	500000	1000000	258	347
Acenaphthylene	500000	1000000	ND (91)	250
Acetophenone	-	-	ND (38) [c]	ND (8.0) [b]
Anthracene	500000	1000000	604	894
Atrazine	-	-	ND (77) [c]	ND (16) [b]
Benzo(a)anthracene	5600	11000	1300	1860
Benzo(a)pyrene	1000	1100	**1300**	**1970**
Benzo(b)fluoranthene	5600	11000	1780	2490
Benzo(g,h,i)perylene	500000	1000000	670	1200
Benzo(k)fluoranthene	56000	110000	610	904
4-Bromophenyl phenyl ether	-	-	ND (69)	ND (14)
Butyl benzyl phthalate	-	-	ND (44)	ND (9.1)
1,1'-Biphenyl	-	-	43.5 J	40.3 J
Benzaldehyde	-	-	ND (44)	ND (9.3)
2-Chloronaphthalene	-	-	ND (43)	ND (8.9)
4-Chloroaniline	-	-	ND (64)	ND (13)
Carbazole	-	-	271 J	297
Caprolactam	-	-	ND (71) [c]	ND (15)
Chrysene	56000	110000	1280	2130
bis(2-Chloroethoxy)methane	-	-	ND (38)	ND (8.0)
bis(2-Chloroethyl)ether	-	-	ND (77)	ND (16)
2,2'-Oxybis(1-chloropropane)	-	-	ND (64)	ND (13)
4-Chlorophenyl phenyl ether	-	-	ND (58)	ND (12)
2,4-Dinitrotoluene	-	-	ND (55) [c]	ND (12) [b]

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-39	TT-SB-40
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/6/2021	12/6/2021
2,6-Dinitrotoluene	-	-	ND (90) [c]	ND (19)
3,3'-Dichlorobenzidine	-	-	ND (150)	ND (31)
1,4-Dioxane	-	-	ND (120)	ND (25)
Dibenzo(a,h)anthracene	560	1100	250	350
Dibenzofuran	350000	1000000	237 J	384
Di-n-butyl phthalate	-	-	126 J	ND (6.1)
Di-n-octyl phthalate	-	-	ND (45)	ND (9.3)
Diethyl phthalate	-	-	ND (38)	ND (8.0)
Dimethyl phthalate	-	-	ND (32)	ND (6.7)
bis(2-Ethylhexyl)phthalate	-	-	465	ND (8.7)
Fluoranthene	500000	1000000	2900	5110
Fluorene	500000	1000000	363	469
Hexachlorobenzene	6000	12000	ND (45)	ND (9.5)
Hexachlorobutadiene	-	-	ND (72) [c]	ND (15) [b]
Hexachlorocyclopentadiene	-	-	ND (71) [d]	ND (15)
Hexachloroethane	-	-	ND (89) [c]	ND (19)
Indeno(1,2,3-cd)pyrene	5600	11000	961	1490
Isophorone	-	-	ND (38)	ND (8.0)
2-Methylnaphthalene	-	-	167 J	86.3
2-Nitroaniline	-	-	ND (42) [c]	ND (8.8) [b]
3-Nitroaniline	-	-	ND (45)	ND (9.3)
4-Nitroaniline	-	-	ND (46)	ND (9.7)
Naphthalene	500000	1000000	279	265
Nitrobenzene	-	-	ND (69)	ND (14)
N-Nitroso-di-n-propylamine	-	-	ND (52) [c]	ND (11) [b]
N-Nitrosodiphenylamine	-	-	ND (65)	ND (14)
Phenanthrene	500000	1000000	2090	4870
Pyrene	500000	1000000	2680	5670
1,2,4,5-Tetrachlorobenzene	-	-	ND (45)	ND (9.5)
1,4 Dioxane (ug/kg)				
1,4-Dioxane	-	-	ND (8.9)	ND (1.9)
Pesticides and herbicides (ug/kg)				
Aldrin	680	1400	1.2 [e]	2.6 [e]
alpha-BHC	3400	6800	ND (0.56)	0.74 [e]
beta-BHC	3000	14000	ND (0.62)	ND (0.66)
delta-BHC	500000	1000000	ND (0.66)	ND (0.70)
gamma-BHC (Lindane)	9200	23000	3.1 [e]	3.1 [e]
alpha-Chlordane	24000	47000	ND (0.56)	5.5 [e]
gamma-Chlordane	-	-	ND (0.31)	ND (0.33)
Dieldrin	1400	28000	ND (0.47)	2.2 [e]
4,4'-DDD	92000	180000	9.5	49.2
4,4'-DDE	62000	120000	14.8	12.7 [e]
4,4'-DDT	47000	94000	ND (0.61)	10.5
Endrin	89000	410000	ND (0.54)	ND (0.56)
Endosulfan sulfate	200000	920000	ND (0.54)	ND (0.57)
Endrin aldehyde	-	-	ND (0.39)	ND (0.41)
Endosulfan-I	200000	920000	ND (0.40)	ND (0.42)
Endosulfan-II	200000	920000	ND (0.43)	5.6
Heptachlor	15000	29000	ND (0.59)	ND (0.63)
Heptachlor epoxide	-	-	ND (0.48)	ND (0.51)
Methoxychlor	-	-	ND (0.55)	ND (0.58)
Endrin ketone	-	-	ND (0.50)	ND (0.53)
Toxaphene	-	-	ND (16)	ND (17)
2,4-D	-	-	ND (39)	ND (8.2)
2,4,5-TP (Silvex)	500000	1000000	ND (9.9)	ND (2.1)
2,4,5-T	-	-	ND (8.7)	ND (1.8)

Table 1
Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Soil Boring Location	NY SCO -	NY SCO -	TT-SB-39	TT-SB-40
Sample Depth in feet bgs	Commercial	Industrial	6.5-8.5	6.0-8.0
Sampling Date	w/CP-51 (10/10)(6 NYCRR 375-6	w/CP-51 (10/10)(6 NYCRR 375-6	12/6/2021	12/6/2021
PCBs (ug/kg)				
Aroclor 1016	1000	25000	ND (16)	ND (17)
Aroclor 1221	1000	25000	ND (21)	ND (23)
Aroclor 1232	1000	25000	ND (22)	ND (23)
Aroclor 1242	1000	25000	ND (14)	ND (15)
Aroclor 1248	1000	25000	ND (31)	ND (32)
Aroclor 1254	1000	25000	ND (19)	ND (20)
Aroclor 1260	1000	25000	ND (15)	ND (15)
Aroclor 1268	1000	25000	ND (15)	ND (15)
Aroclor 1262	1000	25000	ND (23)	ND (24)
Metals (mg/kg)				
Aluminum	-	-	6390	6240
Antimony	-	-	<2.2	<2.2
Arsenic	16	16	5.2	6.4
Barium	400	10000	63.4	**738**
Beryllium	590	2700	0.42	0.37
Cadmium	9.3	60	<0.55	0.64
Calcium	-	-	43100	34400
Chromium	-	-	13.1	18.7
Cobalt	-	-	6.1	<5.4
Copper	270	10000	28.6	26.6
Iron	-	-	12800	11600
Lead	1000	3900	79.4	374
Magnesium	-	-	7350	5560
Manganese	10000	10000	202	271
Mercury	2.8	5.7	0.086	0.11
Nickel	310	10000	23.9	17.2
Potassium	-	-	1250	<1100
Selenium	1500	6800	<2.2	<2.2
Silver	1500	6800	1.1	1.1
Sodium	-	-	<1100	<1100
Thallium	-	-	<1.1	<1.1
Vanadium	-	-	23.8	21.3
Zinc	10000	10000	68.5	455
Cyanide	27	10000	<0.32	<0.24

bgs - Feet below the ground surface
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objective
ND - Not detected at or above the quantitation limit
ug/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
- No criteria
NA - Not Analyzed
Values shaded blue detected above quantitation limit
Values shaded in orange exceeded the NYSDEC - Commercial Use SCO w/ CP-51
Values shaded in green exceeded the NYSDEC - Industrial Use SCO w/ CP-51
[b] Associated CCV outside of control limits high,sample was ND.
[c] Associated CCV outside of control limits high,sample was ND.
[d] Sample prepped within holding time, but run out of holding time.

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-02GW	TT-SB-06GW	TT-SB-12GW	TT-SB-13GW	TT-SB-18GW	TT-SB-20GW
Sampling Date		12/7/2021	12/7/2021	12/7/2021	12/7/2021	12/7/2021	12/6/2021
Volatile Organic Compounds (ug/L)							
Acetone	50	ND (3.1) [a]	ND (3.1) [a]	ND (3.1)	ND (3.1) [a]	ND (3.1)	ND (3.1)
Benzene	1	ND (0.43)	ND (0.43)	0.73	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	50	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Bromoform	50	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.6) [a]	ND (1.6) [a]	ND (1.6)	ND (1.6) [a]	ND (1.6)	ND (1.6)
2-Butanone (MEK)	50	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]
Carbon disulfide	-	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	0.47 J	ND (0.46)
Carbon tetrachloride	5	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)
Cyclohexane	-	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.53)	ND (0.53)	ND (0.53) [b]	ND (0.53)	ND (0.53) [b]	ND (0.53) [b]
Dibromochloromethane	50	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,1-Dichloroethane	5	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	0.4	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	0.4	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Ethylbenzene	5	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	-	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
2-Hexanone	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (0.80)	ND (0.80)	ND (0.80) [a]	ND (0.80)	ND (0.80) [a]	ND (0.80) [a]
Methylcyclohexane	-	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	-	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)
1,1,2,2-Tetrachloroethane	5	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
Toluene	5	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichlorofluoromethane	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Vinyl chloride	2	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
m,p-Xylene	-	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	-	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-02GW	TT-SB-06GW	TT-SB-12GW	TT-SB-13GW	TT-SB-18GW	TT-SB-20GW
Sampling Date		12/7/2021	12/7/2021	12/7/2021	12/7/2021	12/7/2021	12/6/2021
PFAS Compounds (ug/kg)							
Perfluorobutanoic acid	-	6.4	10.4	5.4	2.9 J	7.5	3.7
Perfluoropentanoic acid	-	1.8 J	4.1	1.7 J	1.6 J	2.2	ND (0.93)
Perfluorohexanoic acid	-	1.8 J	3.4	2.9	1.7 J	2.4	ND (0.93)
Perfluoroheptanoic acid	-	2.9	3.2	4.3	4.9	4.1	1.7 J
Perfluorooctanoic acid	10	61.8	28.8	26.6	23.9	33.4	12.9
Perfluorononanoic acid	-	1.1 J	1.5 J	0.96 J	ND (0.93)	ND (0.93)	2.8
Perfluorodecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluoroundecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorododecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorotridecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorotetradecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorobutanesulfonic acid	-	1.2 J	1.6 J	ND (0.93)	1.1 J	2.4	1.0 J
Perfluorohexanesulfonic acid	-	1.1 J	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluoroheptanesulfonic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorooctanesulfonic acid	10	2.7	2.3	11.6	2.7	ND (0.93)	8.9
Perfluorodecanesulfonic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
PFOSA	-	ND (1.9)	ND (1.9)	ND (9.3)	ND (1.9)	ND (9.3)	ND (1.9)
MeFOSAA	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
EtFOSAA	-	ND (1.9)	ND (1.9)	2.7 J	ND (1.9)	ND (1.9)	ND (1.9)
6:2 Fluorotelomer sulfonate	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
8:2 Fluorotelomer sulfonate	-	ND (1.9)		ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Semi-Volatile Organic Compounds (ug/L)							
2-Chlorophenol	-	ND (0.86)	ND (0.86)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)
4-Chloro-3-methyl phenol	-	ND (0.94)	ND (0.94)	ND (0.91)	ND (0.91)	ND (0.91)	ND (0.91)
2,4-Dichlorophenol	1	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
2,4-Dimethylphenol	1	ND (2.6)	ND (2.6)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2,4-Dinitrophenol	1	ND (1.6) [b]	ND (1.6) [b]	ND (1.6)	ND (1.6) [b]	ND (1.6)	ND (1.6)
4,6-Dinitro-o-cresol	-	ND (1.4) [b]	ND (1.4) [b]	ND (1.3)	ND (1.3) [b]	ND (1.3)	ND (1.3)
2-Methylphenol	-	ND (0.93)	ND (0.93)	ND (0.91)	ND (0.91)	ND (0.91)	ND (0.91)
3&4-Methylphenol	-	ND (0.93)	ND (0.93)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
2-Nitrophenol	-	ND (1.0) [b]	ND (1.0) [b]	ND (0.98)	ND (0.98) [b]	ND (0.98)	ND (0.98)
4-Nitrophenol	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Pentachlorophenol	1	ND (1.5)	ND (1.5)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
Phenol	1	ND (0.41)	ND (0.41)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
2,3,4,6-Tetrachlorophenol	-	ND (1.5) [b]	ND (1.5) [b]	ND (1.5)	ND (1.5) [b]	ND (1.5)	ND (1.5)
2,4,5-Trichlorophenol	-	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
2,4,6-Trichlorophenol	-	ND (0.97)	ND (0.97)	ND (0.94)	ND (0.94)	ND (0.94)	ND (0.94)
Acenaphthene	20	ND (0.20)	ND (0.20)	1.2	ND (0.19)	ND (0.19)	ND (0.19)
Acenaphthylene	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Acetophenone	-	ND (0.22) [b]	ND (0.22) [b]	ND (0.21)	ND (0.21) [b]	ND (0.21)	ND (0.21)
Anthracene	50	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Atrazine	-	ND (0.47) [b]	ND (0.47) [b]	ND (0.46)	ND (0.46) [b]	ND (0.46)	ND (0.46)
Benzaldehyde	-	ND (0.30)	ND (0.30)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)
Benzo(a)anthracene	0.002	ND (0.21)	ND (0.21)	ND (0.21)	**0.76 J**	ND (0.21)	ND (0.21)
Benzo(a)pyrene	-	ND (0.22)	ND (0.22)	ND (0.22)	0.65 J	ND (0.22)	ND (0.22)
Benzo(b)fluoranthene	0.002	ND (0.22)	ND (0.22)	ND (0.21)	**0.90 J**	ND (0.21)	ND (0.21)
Benzo(g,h,i)perylene	-	ND (0.36)	ND (0.36)	ND (0.35)	0.46 J	ND (0.35)	ND (0.35)
Benzo(k)fluoranthene	0.002	ND (0.22)	ND (0.22)	ND (0.21)	**0.38 J**	ND (0.21)	ND (0.21)
4-Bromophenyl phenyl ether	-	ND (0.43)	ND (0.43)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
Butyl benzyl phthalate	50	ND (0.48)	ND (0.48)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
1,1'-Biphenyl	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
2-Chloronaphthalene	-	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
4-Chloroaniline	5	ND (0.36)	ND (0.36)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID / Sampling Date	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-02GW 12/7/2021	TT-SB-06GW 12/7/2021	TT-SB-12GW 12/7/2021	TT-SB-13GW 12/7/2021	TT-SB-18GW 12/7/2021	TT-SB-20GW 12/6/2021
Carbazole	-	ND (0.24)	ND (0.24)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Caprolactam	-	ND (0.68)	ND (0.68)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
Chrysene	0.002	ND (0.19)	ND (0.19)	ND (0.18)	**0.64 J**	ND (0.18)	ND (0.18)
bis(2-Chloroethoxy)methane	5	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
bis(2-Chloroethyl)ether	1	ND (0.26)	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
2,2'-Oxybis(1-chloropropane)	-	ND (0.42)	ND (0.42)	ND (0.41)	ND (0.41)	ND (0.41)	ND (0.41)
4-Chlorophenyl phenyl ether	-	ND (0.39)	ND (0.39)	ND (0.37)	ND (0.37)	ND (0.37)	ND (0.37)
2,4-Dinitrotoluene	5	ND (0.58) [b]	ND (0.58) [b]	ND (0.56)	ND (0.56) [b]	ND (0.56)	ND (0.56)
2,6-Dinitrotoluene	5	ND (0.50) [b]	ND (0.50) [b]	ND (0.49)	ND (0.49) [b]	ND (0.49)	ND (0.49)
3,3'-Dichlorobenzidine	-	ND (0.53)	ND (0.53)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)
Dibenzo(a,h)anthracene	-	ND (0.35)	ND (0.35)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Dibenzofuran	-	ND (0.23)	ND (0.23)	0.39 J	ND (0.22)	ND (0.22)	ND (0.22)
Di-n-butyl phthalate	50	ND (0.52)	ND (0.52)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Di-n-octyl phthalate	-	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Diethyl phthalate	50	ND (0.28)	ND (0.28)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Dimethyl phthalate	50	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
bis(2-Ethylhexyl)phthalate	5	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
Fluoranthene	50	ND (0.18)	ND (0.18)	0.23 J	1.5	ND (0.17)	ND (0.17)
Fluorene	50	ND (0.18)	ND (0.18)	0.18 J	ND (0.17)	ND (0.17)	ND (0.17)
Hexachlorobenzene	0.04	ND (0.34)	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.33)
Hexachlorobutadiene	0.5	ND (0.52) [b]	ND (0.52) [b]	ND (0.50)	ND (0.50) [b]	ND (0.50)	ND (0.50)
Hexachlorocyclopentadiene	5	ND (2.9)	ND (2.9)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)
Hexachloroethane	5	ND (0.41) [b]	ND (0.41) [b]	ND (0.40)	ND (0.40) [b]	ND (0.40)	ND (0.40)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.35)	ND (0.35)	ND (0.34)	**0.57 J**	ND (0.34)	ND (0.34)
Isophorone	50	ND (0.29)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)
2-Methylnaphthalene	50	ND (0.22)	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
2-Nitroaniline	5	ND (0.29) [b]	ND (0.29) [b]	ND (0.28)	ND (0.28) [b]	ND (0.28)	ND (0.28)
3-Nitroaniline	5	ND (0.41)	ND (0.41)	ND (0.39)	ND (0.39)	ND (0.39)	ND (0.39)
4-Nitroaniline	5	ND (0.46)	ND (0.46)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Naphthalene	10	ND (0.24)	ND (0.24)	1	ND (0.24)	ND (0.24)	ND (0.24)
Nitrobenzene	0.4	ND (0.68) [b]	ND (0.68) [b]	ND (0.66)	ND (0.66) [b]	ND (0.66)	ND (0.66)
N-Nitroso-di-n-propylamine	-	ND (0.51) [b]	ND (0.51) [b]	ND (0.49)	ND (0.49) [b]	ND (0.49)	ND (0.49)
N-Nitrosodiphenylamine	50	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Phenanthrene	50	ND (0.18)	ND (0.18)	0.54 J	0.65 J	ND (0.18)	ND (0.18)
Pyrene	50	ND (0.23)	ND (0.23)	ND (0.22)	1.5	ND (0.22)	ND (0.22)
1,2,4,5-Tetrachlorobenzene	-	ND (0.39)	ND (0.39)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
1,4 Dioxane (ug/l)							
1,4-Dioxane	1	0.117	ND (0.053)	0.0615 J	0.0784 J	ND (0.051)	ND (0.051)
Pesticides and herbicides (ug/l) (ug/l)							
Aldrin	0.01	ND (0.0041)	ND (0.0041)	ND (0.0041)	ND (0.0043)	ND (0.0041)	ND (0.0042)
alpha-BHC	0.05	ND (0.0042)	ND (0.0042)	ND (0.0042)	ND (0.0043)	ND (0.0042)	ND (0.0042)
beta-BHC	0.05	ND (0.0064)	ND (0.0064)	ND (0.0064)	ND (0.0067)	ND (0.0064)	ND (0.0065)
delta-BHC	0.05	ND (0.0053)	ND (0.0053)	ND (0.0053)	ND (0.0055)	ND (0.0053)	ND (0.0054)
gamma-BHC (Lindane)	0.05	ND (0.0048)	ND (0.0048)	ND (0.0048)	ND (0.0050)	ND (0.0048)	ND (0.0049)
alpha-Chlordane	-	ND (0.0039)	ND (0.0039)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0040)
gamma-Chlordane	0.1	ND (0.0034)	ND (0.0034)	ND (0.0034)	ND (0.0035)	ND (0.0034)	ND (0.0035)
Dieldrin	0.01	ND (0.0061)	ND (0.0061)	ND (0.0061)	ND (0.0064)	ND (0.0061)	ND (0.0063)
4,4'-DDD	0.01	ND (0.0046)	ND (0.0046)	ND (0.0046)	ND (0.0048)	ND (0.0046)	ND (0.0047)
4,4'-DDE	0.01	ND (0.0040)	ND (0.0040)	ND (0.0040)	ND (0.0042)	ND (0.0040)	ND (0.0041)
4,4'-DDT	0.01	ND (0.0055)	ND (0.0055)	ND (0.0055)	ND (0.0057)	ND (0.0055)	ND (0.0056)
Endrin	0.01	ND (0.0048)	ND (0.0048)	ND (0.0048)	ND (0.0050)	ND (0.0048)	ND (0.0049)
Endosulfan sulfate	0.1	ND (0.0044)	ND (0.0044)	ND (0.0044)	ND (0.0045)	ND (0.0044)	ND (0.0044)
Endrin aldehyde	-	ND (0.0054)	ND (0.0054)	ND (0.0054)	ND (0.0056)	ND (0.0054)	ND (0.0055)
Endrin ketone	-	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0052)	ND (0.0050)	ND (0.0051)
Endosulfan-I	0.1	ND (0.0042)	ND (0.0042)	ND (0.0042)	ND (0.0044)	ND (0.0042)	ND (0.0043)
Endosulfan-II	0.1	ND (0.0039)	ND (0.0039)	ND (0.0039)	ND (0.0041)	ND (0.0039)	ND (0.0040)
Heptachlor	0.01	ND (0.0036)	ND (0.0036)	ND (0.0036)	ND (0.0037)	ND (0.0036)	ND (0.0037)
Heptachlor epoxide	0.01	ND (0.0048)	ND (0.0048)	ND (0.0048)	ND (0.0050)	ND (0.0048)	ND (0.0049)
Methoxychlor	35	ND (0.0054)	ND (0.0054)	ND (0.0054)	ND (0.0056)	ND (0.0054)	ND (0.0055)
Toxaphene	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.13)
2,4-D	4.4	ND (0.077)	ND (0.083)	ND (0.081)	ND (0.078)	ND (0.081)	ND (0.080)
2,4,5-TP (Silvex)	0.26	ND (0.048)	ND (0.052)	ND (0.051)	ND (0.049)	ND (0.051)	ND (0.050)
2,4,5-T	35	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.015)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID / Sampling Date	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-02GW 12/7/2021	TT-SB-06GW 12/7/2021	TT-SB-12GW 12/7/2021	TT-SB-13GW 12/7/2021	TT-SB-18GW 12/7/2021	TT-SB-20GW 12/6/2021
PCBs (ug/l)							
Aroclor 1016	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Aroclor 1221	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.35)	ND (0.34)	ND (0.34)
Aroclor 1232	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.21)	ND (0.21)
Aroclor 1242	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)
Aroclor 1248	-	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1254	-	ND (0.33)	ND (0.33)	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.34)
Aroclor 1260	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.12)
Aroclor 1268	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Aroclor 1262	-	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)
Metals (ug/L)							
Aluminum	2000	1920	596	<200	437	NA	25600
Antimony	6	<6.0	<6.0	<6.0	<6.0	NA	6.2
Arsenic	50	6.3	30.1 [c]	<15 [c]	3.1	NA	25.2
Barium	2000	<200	577	<200	<200	NA	474
Beryllium	3	<1.0	<1.0	2	<1.0	NA	2.2
Cadmium	10	<3.0	<3.0	<3.0	<3.0	NA	6.2
Calcium	-	170000	229000	210000	107000	NA	72600
Chromium	100	<10	<10	<10	<10	NA	56
Cobalt	-	<50	<50	<50	<50	NA	<50
Copper	1000	<10	<10	<10	<10	NA	93
Iron	600	5970	20200	806	868	NA	42500
Lead	25	11.9	6.2	<15 [c]	135	NA	253
Magnesium	35000	31900	58800	276000	27000	NA	25000
Manganese	600	2210	6880	27.6	96.4	NA	4550
Mercury	1.4	<0.20	<0.20	<0.20	<0.20	NA	<0.60
Nickel	200	<10	<10	<10	<10	NA	85.2
Potassium	-	14900	19600	189000	13000	NA	16700
Selenium	20	<10	<10	<10	<10	NA	<10
Silver	100	<10	<10	<10	<10	NA	<10
Sodium	-	118000	308000	3760000	107000	NA	88100
Thallium	0.5	<10	<50 [c]	<10	<10	NA	<10
Vanadium	-	<50	<50	<50	<50	NA	77.9
Zinc	5000	60.5	<20	39.5	100	NA	416

Notes:
µg/L - micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
*Ambient water quality guidance value
NA - Not Analyzed
- No criteria
ND- Indicates that the analyte was not detected above the sample-specific reporting limit
Values shaded in orange exceeded the NYSDEC Ground Water Quality Standards

[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
[c] Elevated detection limit due to dilution required for high interfering element.

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-22GW	TT-SB-23GW	TT-SB-27GW	TT-SB-30GW	TT-SB-31GW	GW-DUP01
Sampling Date		12/6/2021	12/7/2021	12/6/2021	12/6/2021	12/6/2021	12/7/2021
Volatile Organic Compounds (ug/L)							
Acetone	50	16.6	7.6 J	ND (3.1)	ND (3.1)	7.1 J	ND (3.1)
Benzene	1	ND (0.43)	0.55	ND (0.43)	ND (0.43)	ND (0.43)	0.74
Bromochloromethane	5	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	50	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Bromoform	50	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
2-Butanone (MEK)	50	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]	ND (6.9) [a]
Carbon disulfide	-	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	0.46 J
Carbon tetrachloride	5	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)
Chloroform	7	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)
Cyclohexane	-	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	ND (0.53) [b]	ND (0.53) [b]	ND (0.53) [b]	ND (0.53) [b]	ND (0.53) [b]	ND (0.53) [b]
Dibromochloromethane	50	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,1-Dichloroethane	5	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)	ND (0.57)
1,2-Dichloroethane	0.6	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	5	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	1	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	0.4	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	0.4	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Ethylbenzene	5	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	-	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
2-Hexanone	50	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	5	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	ND (0.80) [a]	ND (0.80) [a]	ND (0.80) [a]	ND (0.80) [a]	ND (0.80) [a]	ND (0.80) [a]
Methylcyclohexane	-	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	-	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)
1,1,2,2-Tetrachloroethane	5	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
Toluene	5	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	5	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	1	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichlorofluoromethane	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Vinyl chloride	2	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
m,p-Xylene	-	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	-	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-22GW	TT-SB-23GW	TT-SB-27GW	TT-SB-30GW	TT-SB-31GW	GW-DUP01
Sampling Date		12/6/2021	12/7/2021	12/6/2021	12/6/2021	12/6/2021	12/7/2021
PFAS Compounds (ug/kg)							
Perfluorobutanoic acid	-	12.7	9.4	11.4	13.9	16.5	4.6
Perfluoropentanoic acid	-	7.4	5.9	8.8	10.6	5.4	1.9
Perfluorohexanoic acid	-	6.1	5.6	7.6	6.4	11.2	2.9
Perfluoroheptanoic acid	-	3.7	11.4	6	3.9	3.6	3.7
Perfluorooctanoic acid	10	19.2	111	17.4	12.7	13.5	26.8
Perfluorononanoic acid	-	2.8	1.1 J	2.5	ND (0.93)	2.4	1.0 J
Perfluorodecanoic acid	-	2.8	ND (0.93)	ND (0.93)	ND (0.93)	2.1	ND (0.93)
Perfluoroundecanoic acid	-	1.9	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorododecanoic acid	-	1.1 J	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorotridecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorotetradecanoic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorobutanesulfonic acid	-	ND (0.93)	4.1	2.1	1.0 J	2.8	ND (0.93)
Perfluorohexanesulfonic acid	-	ND (0.93)	2.2	1.1 J	ND (0.93)	1.2 J	ND (0.93)
Perfluoroheptanesulfonic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
Perfluorooctanesulfonic acid	10	15.4	3.6	29.6	ND (0.93)	28.5	12
Perfluorodecanesulfonic acid	-	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)	ND (0.93)
PFOSA	-	ND (1.9)	ND (9.3)	ND (9.3)	ND (1.9)	ND (1.9)	ND (9.3)
MeFOSAA	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
EtFOSAA	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	3.3 J
6:2 Fluorotelomer sulfonate	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
8:2 Fluorotelomer sulfonate	-	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Semi-Volatile Organic Compounds (ug/L)							
2-Chlorophenol	-	ND (0.84)	ND (0.85)	ND (0.84)	ND (0.84)	ND (0.85)	ND (0.85)
4-Chloro-3-methyl phenol	-	ND (0.91)	ND (0.92)	ND (0.91)	ND (0.91)	ND (0.92)	ND (0.92)
2,4-Dichlorophenol	1	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
2,4-Dimethylphenol	1	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
2,4-Dinitrophenol	1	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
4,6-Dinitro-o-cresol	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
2-Methylphenol	-	ND (0.91)	ND (0.92)	ND (0.91)	ND (0.91)	ND (0.92)	ND (0.92)
3&4-Methylphenol	-	ND (0.90)	ND (0.91)	ND (0.90)	ND (0.90)	ND (0.91)	ND (0.91)
2-Nitrophenol	-	ND (0.98)	ND (0.99)	ND (0.98)	ND (0.98)	ND (0.99)	ND (0.99)
4-Nitrophenol	-	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Pentachlorophenol	1	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
Phenol	1	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
2,3,4,6-Tetrachlorophenol	-	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)
2,4,5-Trichlorophenol	-	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
2,4,6-Trichlorophenol	-	ND (0.94)	ND (0.95)	ND (0.94)	ND (0.94)	ND (0.95)	ND (0.95)
Acenaphthene	20	ND (0.19)	ND (0.20)	ND (0.19)	ND (0.19)	0.26 J	1.1
Acenaphthylene	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)
Acetophenone	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
Anthracene	50	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Atrazine	-	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)
Benzaldehyde	-	ND (0.29)	ND (0.30)	ND (0.29)	ND (0.29)	ND (0.30)	ND (0.30)
Benzo(a)anthracene	0.002	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	**0.47 J**	ND (0.21)
Benzo(a)pyrene	-	0.68 J	ND (0.22)	ND (0.22)	ND (0.22)	1.1	ND (0.22)
Benzo(b)fluoranthene	0.002	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	**0.61 J**	ND (0.21)
Benzo(g,h,i)perylene	-	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	0.41 J	ND (0.35)
Benzo(k)fluoranthene	0.002	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	**0.21 J**	ND (0.21)
4-Bromophenyl phenyl ether	-	ND (0.41)	ND (0.42)	ND (0.41)	ND (0.41)	ND (0.42)	ND (0.42)
Butyl benzyl phthalate	50	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
1,1'-Biphenyl	-	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
2-Chloronaphthalene	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
4-Chloroaniline	5	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)	ND (0.35)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID / Sampling Date	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-22GW 12/6/2021	TT-SB-23GW 12/7/2021	TT-SB-27GW 12/6/2021	TT-SB-30GW 12/6/2021	TT-SB-31GW 12/6/2021	GW-DUP01 12/7/2021
Carbazole	-	ND (0.23)	ND (0.24)	ND (0.23)	ND (0.23)	ND (0.24)	ND (0.24)
Caprolactam	-	ND (0.66)	ND (0.67)	ND (0.66)	ND (0.66)	ND (0.67)	ND (0.67)
Chrysene	0.002	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	**0.37 J**	ND (0.18)
bis(2-Chloroethoxy)methane	5	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)
bis(2-Chloroethyl)ether	1	ND (0.25)	ND (0.26)	ND (0.25)	ND (0.25)	ND (0.26)	ND (0.26)
2,2'-Oxybis(1-chloropropane)	-	ND (0.41)	ND (0.42)	ND (0.41)	ND (0.41)	ND (0.42)	ND (0.42)
4-Chlorophenyl phenyl ether	-	ND (0.37)	ND (0.38)	ND (0.37)	ND (0.37)	ND (0.38)	ND (0.38)
2,4-Dinitrotoluene	5	ND (0.56)	ND (0.57)	ND (0.56)	ND (0.56)	ND (0.57)	ND (0.57)
2,6-Dinitrotoluene	5	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)
3,3'-Dichlorobenzidine	-	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)	ND (0.52)
Dibenzo(a,h)anthracene	-	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	0.69 J	ND (0.34)
Dibenzofuran	-	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.23)	0.36 J
Di-n-butyl phthalate	50	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Di-n-octyl phthalate	-	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Diethyl phthalate	50	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
Dimethyl phthalate	50	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
bis(2-Ethylhexyl)phthalate	5	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
Fluoranthene	50	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	0.70 J	ND (0.18)
Fluorene	50	ND (0.17)	ND (0.18)	ND (0.17)	ND (0.17)	0.21 J	ND (0.18)
Hexachlorobenzene	0.04	ND (0.33)	ND (0.34)	ND (0.33)	ND (0.33)	ND (0.34)	ND (0.34)
Hexachlorobutadiene	0.5	ND (0.50)	ND (0.51)	ND (0.50)	ND (0.50)	ND (0.51)	ND (0.51)
Hexachlorocyclopentadiene	5	ND (2.8)	ND (2.9)	ND (2.8)	ND (2.8)	ND (2.9)	ND (2.9)
Hexachloroethane	5	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)
Indeno(1,2,3-cd)pyrene	0.002	ND (0.34)	ND (0.34)	ND (0.34)	**0.73 J**	**1.1**	ND (0.34)
Isophorone	50	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)
2-Methylnaphthalene	50	1	ND (0.22)	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.22)
2-Nitroaniline	5	ND (0.28)	ND (0.29)	ND (0.28)	ND (0.28)	ND (0.29)	ND (0.29)
3-Nitroaniline	5	ND (0.39)	ND (0.40)	ND (0.39)	ND (0.39)	ND (0.40)	ND (0.40)
4-Nitroaniline	5	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)
Naphthalene	10	1.1	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	0.89 J
Nitrobenzene	0.4	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)
N-Nitroso-di-n-propylamine	-	ND (0.49)	ND (0.50)	ND (0.49)	ND (0.49)	ND (0.50)	ND (0.50)
N-Nitrosodiphenylamine	50	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Phenanthrene	50	ND (0.18)	ND (0.18)	0.26 J	ND (0.18)	0.63 J	0.52 J
Pyrene	50	ND (0.22)	ND (0.23)	ND (0.22)	ND (0.22)	0.70 J	ND (0.23)
1,2,4,5-Tetrachlorobenzene	-	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
1,4 Dioxane (ug/l)							
1,4-Dioxane	1	ND (0.051)	0.0537 J	ND (0.051)	ND (0.051)	ND (0.052)	ND (0.052)
Pesticides and herbicides (ug/l) (ug/l)							
Aldrin	0.01	ND (0.0042)	ND (0.0047)	ND (0.0041)	ND (0.0042)	ND (0.0041)	ND (0.0041)
alpha-BHC	0.05	ND (0.0042)	ND (0.0047)	ND (0.0041)	ND (0.0042)	ND (0.0042)	ND (0.0042)
beta-BHC	0.05	ND (0.0065)	ND (0.0073)	ND (0.0063)	ND (0.0065)	ND (0.0064)	ND (0.0064)
delta-BHC	0.05	ND (0.0054)	ND (0.0060)	ND (0.0052)	ND (0.0054)	ND (0.0053)	ND (0.0053)
gamma-BHC (Lindane)	0.05	ND (0.0049)	ND (0.0054)	ND (0.0047)	ND (0.0049)	ND (0.0048)	ND (0.0048)
alpha-Chlordane	-	ND (0.0040)	ND (0.0045)	ND (0.0039)	ND (0.0040)	ND (0.0039)	ND (0.0039)
gamma-Chlordane	0.1	ND (0.0035)	ND (0.0039)	ND (0.0033)	ND (0.0035)	ND (0.0034)	ND (0.0034)
Dieldrin	0.01	ND (0.0063)	ND (0.0070)	ND (0.0060)	ND (0.0063)	ND (0.0061)	ND (0.0061)
4,4'-DDD	0.01	ND (0.0047)	ND (0.0052)	ND (0.0045)	ND (0.0047)	ND (0.0046)	ND (0.0046)
4,4'-DDE	0.01	ND (0.0041)	ND (0.0046)	ND (0.0040)	ND (0.0041)	ND (0.0040)	ND (0.0040)
4,4'-DDT	0.01	ND (0.0056)	ND (0.0062)	ND (0.0054)	ND (0.0056)	ND (0.0055)	ND (0.0055)
Endrin	0.01	ND (0.0049)	ND (0.0055)	ND (0.0048)	ND (0.0049)	ND (0.0048)	ND (0.0048)
Endosulfan sulfate	0.1	ND (0.0044)	ND (0.0050)	ND (0.0043)	ND (0.0044)	ND (0.0044)	ND (0.0044)
Endrin aldehyde	-	ND (0.0055)	ND (0.0061)	ND (0.0053)	ND (0.0055)	ND (0.0054)	ND (0.0054)
Endrin ketone	-	ND (0.0051)	ND (0.0056)	ND (0.0049)	ND (0.0051)	ND (0.0050)	ND (0.0050)
Endosulfan-I	0.1	ND (0.0043)	ND (0.0048)	ND (0.0041)	ND (0.0043)	ND (0.0042)	ND (0.0042)
Endosulfan-II	0.1	ND (0.0040)	ND (0.0044)	ND (0.0038)	ND (0.0040)	ND (0.0039)	ND (0.0039)
Heptachlor	0.01	ND (0.0037)	ND (0.0041)	ND (0.0035)	ND (0.0037)	ND (0.0036)	ND (0.0036)
Heptachlor epoxide	0.01	ND (0.0049)	ND (0.0055)	ND (0.0047)	ND (0.0049)	ND (0.0048)	ND (0.0048)
Methoxychlor	35	ND (0.0055)	ND (0.0061)	ND (0.0053)	ND (0.0055)	ND (0.0054)	ND (0.0054)
Toxaphene	-	ND (0.13)	ND (0.15)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)
2,4-D	4.4	ND (0.074)	ND (0.080)	ND (0.083)	ND (0.080)	ND (0.081)	ND (0.080)
2,4,5-TP (Silvex)	0.26	ND (0.047)	ND (0.050)	ND (0.052)	ND (0.050)	ND (0.051)	ND (0.050)
2,4,5-T	35	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.015)

Table 2
Ground Water Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Location ID / Sampling Date	NYSDEC Ambient Water Quality Standards and Guidance Values*	TT-SB-22GW 12/6/2021	TT-SB-23GW 12/7/2021	TT-SB-27GW 12/6/2021	TT-SB-30GW 12/6/2021	TT-SB-31GW 12/6/2021	GW-DUP01 12/7/2021
PCBs (ug/l)							
Aroclor 1016	-	ND (0.16)	ND (0.18)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)
Aroclor 1221	-	ND (0.34)	ND (0.38)	ND (0.32)	ND (0.35)	ND (0.32)	ND (0.34)
Aroclor 1232	-	ND (0.21)	ND (0.24)	ND (0.20)	ND (0.22)	ND (0.20)	ND (0.21)
Aroclor 1242	-	ND (0.19)	ND (0.21)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.18)
Aroclor 1248	-	ND (0.10)	ND (0.11)	ND (0.097)	ND (0.10)	ND (0.097)	ND (0.10)
Aroclor 1254	-	ND (0.34)	ND (0.38)	ND (0.32)	ND (0.34)	ND (0.32)	ND (0.33)
Aroclor 1260	-	ND (0.12)	ND (0.14)	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.12)
Aroclor 1268	-	ND (0.14)	ND (0.16)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.14)
Aroclor 1262	-	ND (0.16)	ND (0.18)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)
Metals (ug/L)							
Aluminum	2000	7540	70900	5230	3950	1280	<200
Antimony	6	<6.0	<30 [c]	<6.0	<6.0	<6.0	<6.0
Arsenic	50	9.6	66.6 [c]	8.7	9.4	3.2	<15 [c]
Barium	2000	<200	1390	422	<200	<200	<200
Beryllium	3	<1.0	7.1 [c]	<1.0	1.1	<1.0	2
Cadmium	10	<3.0	<15 [c]	<3.0	3	<3.0	<3.0
Calcium	-	44100	318000	259000	155000	118000	219000
Chromium	100	11.9	140	11.7	<10	<10	<10
Cobalt	-	<50	98.4	<50	<50	<50	<50
Copper	1000	17.7	233 [c]	22.6	45.8	<10	<10
Iron	600	10000	376000	10600	10100	1940	275
Lead	25	20.3	258 [c]	73.5	26.6	12.1	<15 [c]
Magnesium	35000	5430	86600	38100	52000	8100	283000
Manganese	600	297	10700 [c]	2150	2770	463	20.5
Mercury	1.4	<0.20	0.8	<0.20	<0.20	<0.20	<0.20
Nickel	200	11.2	206	21	15.1	<10	<10
Potassium	-	<10000	38500	19900	11500	12000	193000
Selenium	20	<10	<50 [c]	<10	<10	<10	<10
Silver	100	<10	<50 [c]	<10	<10	<10	<10
Sodium	-	16000	170000	201000	494000	166000	4010000
Thallium	0.5	<10	<50 [c]	<10	<10	<10	<10
Vanadium	-	<50	209	<50	<50	<50	<50
Zinc	5000	56.8	501	48.9	53.7	<20	<20

Notes:
µg/L - micrograms per liter
NYSDEC - New York State Department of Environmental Conservation
*Ambient water quality guidance value
NA - Not Analyzed
- No criteria
ND- Indicates that the analyte was not detected above the sample-specific report
Values shaded in orange exceeded the NYSDEC Ground Water Quality Standards

[a] Associated CCV outside of control limits high, sample was ND.
[b] Associated CCV outside of control limits high, sample was ND. This compound
[c] Elevated detection limit due to dilution required for high interfering element.

Table 3
Summary of Soil Sampling Results

Phase II Environmental Site Assessment
South Brooklyn Marine Terminal

Sample ID	NYSDOH Air Guideline Values	TT-SB-33SV	TT-SB-32SV	TT-SB-25SV	TT-SB-24SV	TT-SB-39SV	TT-SB-37SV	TT-SB-19SV	TT-SB-14SV	TT-SB-16SV	TT-SB-36SV	TT-SB-02SV	TT-SB-17SV	TT-SB-21SV	TT-SB-A
Lab Sample ID		JD36521-1	JD36521-2	JD36521-3	JD36521-4	JD36521-5	JD36521-6	JD36521-8	JD36521-9	JD36521-10	JD36521-11	JD36521-12	JD36521-13	JD36521-14	JD36521-7
Date Sampled		12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021	12/8/2021
Matrix		Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Ambient Air Comp.
MS Volatiles (TO-15) - ug/m³															
Acetone (2-Propanone)	-	**49.2**	**12**	**56.8**	**75.8**	**86**	**12**	**39.7**	**47.5**	**41.6**	**26.1**	**3.8**	**4.8**	**12**	**4.3**
1,3-Butadiene	-	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.082)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.18)	ND (0.082)
Benzene	-	**5.1**	**1.2**	**0.7**	**3.1**	**45.4**	**4.2**	ND (0.038)	**2.3**	**3.2**	**1.9**	**7.7**	**3**	**2.9**	**0.77**
Bromodichloromethane	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.14)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.32)	ND (0.14)
Bromoform	-	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.31)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.69)	ND (0.31)
Bromomethane	-	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.070)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.15)	ND (0.070)
Bromoethene	-	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.079)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.17)	ND (0.079)
Benzyl Chloride	-	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.23)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.29)	ND (0.52)	ND (0.23)
Carbon disulfide	-	**80**	**5.9**	**1.6**	**408**	**476**	**2.4**	**0.34 J**	ND (0.075)	**17**	**1.6**	**0.37 J**	**4**	ND (0.13)	ND (0.059)
Chlorobenzene	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.097)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.22)	ND (0.097)
Chloroethane	-	ND (0.13)	**1.7**	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.23)	ND (0.10)
Chloroform	-	ND (0.098)	**9.8**	**0.49 J**	ND (0.098)	ND (0.078)	**0.78 J**	ND (0.098)	**0.88 J**	**1.7**	**2**	**1.3**	**24**	ND (0.18)	ND (0.078)
Chloromethane	-	**0.31 J**	**1.2**	ND (0.031)	**0.41**	**0.27 J**	ND (0.031)	ND (0.031)	ND (0.031)	**0.20 J**	ND (0.031)	ND (0.031)	ND (0.031)	**0.74**	**0.87**
3-Chloropropene	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.22)	ND (0.10)
2-Chlorotoluene	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.23)	ND (0.10)
Carbon tetrachloride	-	ND (0.15)	**1.5**	ND (0.15)	ND (0.15)	ND (0.12)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.26)	ND (0.12)
Cyclohexane	-	**372**	**1.3**	**7.9**	**56.5**	**134**	ND (0.076)	ND (0.076)	ND (0.076)	**1.9**	**0.55 J**	**0.38 J**	**2.1**	**11**	**0.27 J**
1,1-Dichloroethane	-	ND (0.049)	**1.1**	ND (0.049)	ND (0.049)	ND (0.038)	ND (0.049)	ND (0.049)	**0.61 J**	ND (0.049)	**4**	ND (0.049)	**6.5**	ND (0.085)	ND (0.038)
1,1-Dichloroethylene	-	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.067)	**4**	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.067)	ND (0.12)	ND (0.052)
1,2-Dibromoethane (EDB)	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.11)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.25)	ND (0.11)
1,2-Dichloroethane	-	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.069)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.15)	ND (0.069)
1,2-Dichloropropane	-	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.069)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.088)	ND (0.16)	ND (0.069)
1,4-Dioxane	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.15)	**0.86**	ND (0.19)	**1.1**	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.34)	ND (0.15)
Dichlorodifluoromethane	-	**0.99**	**1.4**	**1.6**	**1.9**	**1.7**	**2.1**	**1.2**	**1.2**	**1.6**	**1.3**	**0.94 J**	**1.2**	**1.5 J**	**1.8**
Dibromochloromethane	-	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.23)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.51)	ND (0.23)
trans-1,2-Dichloroethylene	-	ND (0.029)	ND (0.029)	ND (0.029)	**0.63 J**	**7.1**	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.052)	ND (0.023)
cis-1,2-Dichloroethylene	-	ND (0.048)	ND (0.048)	ND (0.048)	**5.9**	**4.8**	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.048)	ND (0.083)	ND (0.037)
cis-1,3-Dichloropropene	-	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.073)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.16)	ND (0.073)
m-Dichlorobenzene	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.090)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.20)	ND (0.090)
o-Dichlorobenzene	-	ND (0.13)	**0.84**	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.23)	ND (0.10)
p-Dichlorobenzene	-	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.084)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.19)	ND (0.084)
trans-1,3-Dichloropropene	-	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.073)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.16)	ND (0.073)
Ethanol	-	**3.8**	**3**	**21.7**	**11**	**7**	**4.9**	**7.7**	**12**	**7.7**	**5.3**	**2.3**	**4**	**14**	**11**
Ethylbenzene	-	ND (0.065)	**1.2**	**0.61 J**	**1**	**2.9**	**1.3**	**0.52 J**	**1.4**	**0.96**	**0.87**	**0.83 J**	**1.4**	**0.42 J**	ND (0.052)
Ethyl Acetate	-	ND (0.14)	**4.3**	**8.3**	**10**	**15**	**20**	**4**	**4**	**4.3**	**5**	**4**	ND (0.14)	**30**	**65.1**
4-Ethyltoluene	-	**21**	**2.7**	**0.98**	**2.1**	ND (0.12)	**2.8**	**1.4**	**2.6**	**1.7**	**2.3**	**2.2**	**2.6**	ND (0.26)	ND (0.12)
Freon 113	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.11)	**4.6**	**0.29 J**	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.24)	ND (0.11)
Freon 114	-	ND (0.13)	ND (0.13)	ND (0.13)	**1.1**	ND (0.10)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.24)	ND (0.10)
Heptane	-	**422**	**0.78 J**	**1.7**	**4.9**	**120**	**1.2**	**2**	**3.6**	**3.6**	**1.6**	**0.49 J**	**0.94**	**3.5**	ND (0.057)
Hexachlorobutadiene	-	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.38)	**1.6**	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.87)	ND (0.38)
Hexane	-	**76.8**	**1.1**	**1.6**	**5.3**	**206**	**1.6**	**0.95**	**2.5**	**4.2**	**1.4**	**0.99**	**1.7**	**7.8**	**0.49 J**
2-Hexanone	-	ND (0.15)	ND (0.15)	**7.8**	**13**	ND (0.12)	ND (0.15)	**19**	ND (0.15)	**22**	**13**	**1.9**	ND (0.15)	ND (0.27)	ND (0.12)
Isopropyl Alcohol	-	**1.2**	**0.88**	**6.4**	**1.2**	**1.4**	**1.5**	**0.79**	**2.7**	**0.93**	**0.86**	**0.47 J**	**1.1**	**1.8**	**2.2**
Methylene chloride	60	**0.73**	**0.87**	**0.8**	**2.3**	**1.1**	**1.4**	**0.52 J**	ND (0.052)	ND (0.052)	ND (0.052)	**0.69**	ND (0.052)	ND (0.090)	**0.83**
Methyl ethyl ketone	-	**13**	**6.8**	**70.2**	**92.9**	**81.7**	**16**	**107**	**119**	**121**	**72**	**5**	**8.6**	**2.9**	**0.41 J**
Methyl Isobutyl Ketone	-	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.12)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.26)	ND (0.12)
Methyl Tert Butyl Ether	-	ND (0.069)	ND (0.069)	**2.7**	ND (0.069)	ND (0.054)	ND (0.069)	ND (0.069)	ND (0.069)	ND (0.069)	ND (0.069)	ND (0.069)	ND (0.069)	ND (0.12)	ND (0.054)
Methylmethacrylate	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.11)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.24)	ND (0.11)
Propylene	-	**58.6**	**17**	**11**	ND (0.027)	ND (0.022)	ND (0.027)	**10**	**16**	**27.1**	ND (0.027)	ND (0.027)	**5.2**	ND (0.048)	ND (0.022)
Styrene	-	ND (0.081)	**0.89**	**0.60 J**	**0.55 J**	**0.43 J**	**0.72 J**	**0.77 J**	**0.60 J**	**0.94**	**0.55 J**	**0.85**	**1.1**	ND (0.14)	ND (0.064)
1,1,1-Trichloroethane	-	ND (0.18)	**21**	ND (0.18)	ND (0.18)	ND (0.15)	ND (0.18)	**4.9**	**1.3**	**3.4**	**3.1**	**1.1**	**29**	ND (0.32)	ND (0.15)
1,1,2,2-Tetrachloroethane	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.15)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.19)	ND (0.34)	ND (0.15)
1,1,2-Trichloroethane	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.13)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.29)	ND (0.13)
1,2,4-Trichlorobenzene	-	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.53)	**0.97**	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (0.66)	ND (1.2)	ND (0.53)
1,2,4-Trimethylbenzene	-	**11**	**2.6**	**0.93 J**	**1.6**	**1.2**	**2.3**	**1.3**	**2.1**	**1.3**	**2.7**	**2**	**2.2**	ND (0.29)	ND (0.13)
1,3,5-Trimethylbenzene	-	**16**	**0.74 J**	ND (0.17)	ND (0.17)	**0.46 J**	**0.79 J**	ND (0.17)	**0.64 J**	ND (0.17)	**1**	**0.54 J**	**0.59 J**	ND (0.29)	ND (0.13)
2,2,4-Trimethylpentane	-	ND (0.10)	**0.65 J**	**0.65 J**	**75.7**	**58.4**	**0.56 J**	ND (0.10)	**1.1**	**1.4**	ND (0.10)	ND (0.10)	**1.7**	ND (0.18)	**0.43 J**
Tertiary Butyl Alcohol	-	**2.8**	**3.6**	**2.8**	**4.2**	**3**	**3.3**	**2.8**	**8.8**	**4.5**	**2.8**	**0.73**	**2.1**	ND (0.076)	ND (0.033)
Tetrachloroethylene	-	**2.8**	**5.3**	**8.1**	**4.7**	**5**	**11**	**2**	**5.8**	**5.8**	**1.9**	**2.9**	**5.1**	ND (0.37)	**0.36**
Tetrahydrofuran	-	ND (0.15)	**0.35 J**	ND (0.15)	ND (0.15)	ND (0.12)	**14**	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	**0.77**	ND (0.27)	ND (0.12)
Toluene	-	**51.6**	**3.4**	**1.7**	**2.8**	**11**	**4.9**	**1.5**	**3.4**	**4.9**	**2.1**	**2**	**5.3**	**2.3**	**1.5**
Trichloroethylene	-	ND (0.10)	**0.7**	**12**	ND (0.10)	ND (0.081)	**1.5**	ND (0.10)	ND (0.10)	**1**	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.18)	ND (0.081)
Trichlorofluoromethane	-	ND (0.16)	**0.96**	**1**	**0.62**	**0.46**	**20**	**0.62**	**0.55 J**	**1.3**	**1.1**	ND (0.16)	**0.9**	**1.1**	**1.1**
Vinyl chloride	-	ND (0.056)	ND (0.056)	ND (0.056)	**0.87**	**95.3**	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.10)	ND (0.046)
Vinyl Acetate	-	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.095)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.21)	ND (0.095)
m,p-Xylene	-	**91.2**	**4.8**	**1.9**	**4.1**	**6.5**	**5.2**	**2.2**	**4.8**	**3.3**	**3.1**	**2.9**	**4.8**	**1.3 J**	**0.91**
o-Xylene	-	**45.2**	**2.2**	**0.91**	**1.7**	ND (0.061)	**1.9**	**0.87**	**2**	**1.3**	**1.4**	**1.2**	**1.9**	ND (0.13)	ND (0.061)
Xylenes (total)	-	**136**	**6.9**	**2.7**	**5.6**	**6.5**	**6.9**	**3**	**6.9**	**4.8**	**4.3**	**4.1**	**6.5**	**1.3 J**	**0.91**

Notes:
ug/m^3 - micrograms per cubic meter
NYSDOH - New York State Department of Health
ND - The compound was not detected at the indicated concentration.
J - Estimated value as given concentration below the quantification limit
- No criteria
Values in bold were detected

Appendix A – Soil Boring Logs

BORING NUMBER: TT-SB-01

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/18/2021
Project #:	194-1247-0003	Date Completed:	11/18/2021
Boring #:	TT-SB-01	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-01 0-5			NA	CONCRETE	Gt		0.0-1.0' Concrete	12:00	11/18/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk.Br./Bl		1.0-1.5' F-M SAND, some Brick and Metal, little Silt and F Gravel			0.0	
					Bl.		1.5-5.0' F-M SAND and F GRAVEL, little Brick, Concrete and Ash, Tr Silt.			0.0	
										0.0	
	5.0									0.0	
TT-SB-01 5-10 Run#1			26"	SW	Br.		5.0-10.0' F SAND, some Silt and F Gravel, little Brick.	11:50	11/18/2021	0.0	Collected Soil Sample TT-SB-01-6.5-8.5 @ 1223
										0.0	
										0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 12/09/2021

BORING NUMBER: TT-SB-02

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/18/2021
Project #:	194-1247-0003	Date Completed:	11/18/2021
Boring #:	TT-SB-02	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-02 0-5			NA	CONCRETE	Gt		0.0-1.0' Concrete	13:28	11/18/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		1.0-3.0' F-M SAND, some F-M Gravel and Ash, little Silt.			0.0	
										0.0	
					Br.		3.0-5.0' F-M SAND and F GRAVEL, little Brick, Concrete and Ash, Tr Silt.			0.0	
	5.0									0.0	
TT-SB-02 5-10 Run#1			26"	SW	Br.		5.0-10.0' F SAND, some F-M Gravel and Silt.	13:36	11/18/2021	0.0	Collected Soil Sample TT-SB-02- 7.0-9.0 @ 1340
										0.0	
										0.0	
										0.0	
	10.0									0.0	
TT-SB-02 10-15 Run#2			32"	SW	Gr./Br.		10.0-15.0' F-M SAND, little Silt, Saturated.	13:45	11/18/2021	0.0	
										0.0	
										0.0	
										0.0	
	15.0									0.0	
							End of Boring at 15'bgs. Installed soil vapor point				
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW Sample (TT-SB-02GW) on 12/07/2021 @ 1535
Collected SV Samplie (TT-SB-02SV) on 12/09/2021 @0920
Patched on 12/09/2021

BORING NUMBER: TT-SB-03

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/19/2021
Project #:	194-1247-0003	Date Completed:	11/19/2021
Boring #:	TT-SB-03	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-03 0-5			NA	CONCRETE	Gr.		0.0-1.0' Concrete	9:08	11/19/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		1.0-2.0' F SAND, little Silt and F Gravel, tr Metal and Concrete.			0.0	
							2.0-5.0' F-M SAND, some F-M Gravel, Brick and Concrete, tr. Silt.			0.0	
										0.0	
	5.0									0.0	
TT-SB-03 5-10 Run#1			42"		Br.		5.0-7.0' Br. F SAND, some F Gravel, Brick and Conrete, tr. Silt.	9:10	11/19/2021	0.0	Collected Soil Sample TT-SB-03- 7.0-9.0 @ 09:26
										0.0	
				SW	Gr./Br.		7.0-10.0' Gr.Br. F-M SAND, little Silt and F Gravel. Wet at 9.0'			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/19/2021

BORING NUMBER: TT-SB-04

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/19/2021
Project #:	194-1247-0003	Date Completed:	11/19/2021
Boring #:	TT-SB-04	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-04 0-5			NA	CONCRETE	Gr.		0.0-2.0' Concrete	10:23	11/19/2021	0.0	Cleared to 5' using hand tools and air knife.
										0.0	
										0.0	
										0.0	
	5.0			FILL	Br.		2.0-5.0' F-M SAND, some F-M Gravel, Brick and Concrete, tr. Silt.			0.0	
TT-SB-04 5-10 Run#1			40"				5.0-9.5' Br. F SAND, some F-M Gravel, Brick, Metal and Conrete, little Silt	10:30	11/19/2021	0.0	Collected Soil Sample TT-SB-04- 7.5-9.5 @ 10:41
					Br.					0.0	
										0.0	
										0.0	
	10.0			SW	Gr./Br.		9.5-10.0' Gr.Br. F-M SAND, little Silt and F Gravel.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/19/2021

BORING NUMBER: TT-SB-05

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/19/2021
Project #:	194-1247-0003	Date Completed:	11/19/2021
Boring #:	TT-SB-05	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-05 0-5			NA	ASPHALT	Bl.		0.0-0.5'6" Asphalt and subbase.	13:30	11/19/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		0.5-6.0' Br. F SAND and Brick			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-05 5-10 Run#1			43"					13:44	11/19/2021	0.0	Collected Soil Sample TT-SB-05- 6.5-8.5 @ 13:50 (w/ Dupicate Sample DUP-01)
				SW	Br.		6.0-9.0' Fine SAND, some Gravel, Brick and wood, little Silt.			0.0	
										11.8	
										0.0	
	10.0			SP	Gr./Br.		9.0-10.0' Gr.Br. F-M SAND, little Silt and F Gravel.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/19/2021

BORING NUMBER: TT-SB-06

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/22/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-06	Groundwater Depth (ft):	7.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-06 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	9:15	11/22/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		0.5-5.0' F SAND, some F-M Gravel, Concrete and Brick, little Silt.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-06 5-10 Run#1			41"	SW	Rd Br.		5.0-7.0' Fine SAND, little F Gravel and Silt.	9:22	11/22/2021	0.0	Collected Soil Sample TT-SB-06- 5.0-7.0 @ 13:50
										0.0	
				SP	Dk. Br.		7.0-10.0' F-M SAND, some F Gravel, tr. Silt, Wet.			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-06GW on 12/07/2021 @ 14:20
Patched on 12/09/2021

BORING NUMBER: TT-SB-07

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/22/2021
Project #:	194-1247-0003	Date Completed:	11/22/2021
Boring #:	TT-SB-07	Groundwater Depth (ft):	8.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-07 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	12:05	11/22/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk. Br.		0.5-5.0' F SAND, Gravel Brick and Concrete, little Silt and Wood.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-07 5-10 Run#1			32"		Bl.		5.0-6.0' Fine SAND, some F Gravel, Concrete and Wood.	12:11	11/22/2021	0.0	Collected Soil Sample TT-SB-07- 6.0-8.0 @ 12:23
										0.0	
				SP	Bl.		6.0-10.0' F-M SAND, some F-M Gravel. Saturated			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/22/2021

BORING NUMBER: TT-SB-08

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/22/2021
Project #:	194-1247-0003	Date Completed:	11/22/2021
Boring #:	TT-SB-08	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-08 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	13:40	11/22/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk. Br/Bl.		0.5-5.0' F SAND, some F Gravel, little concrete, petro odor.			2.0	
										5.0	
										10.0	
	5.0									16.0	
TT-SB-08 5-10 Run#1			29"	SW	Gr.		5.0-7.0' Fine SAND, some F-M Gravel, little Brick, gasoline odor.	13:50	11/22/2021	18.0	Collected Soil Sample TT-SB-08- 7.0-9.0 @ 14:04 High PID at 7.5'
										32.7	
										87.9	
				SP	Gr./Br.		7.0-10.0' F-M SAND, little F Gravel and Silt. Saturated @ 9.0'bgs			61.1	
	10.0									3.2	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/22/2021

BORING NUMBER: TT-SB-09

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/23/2021
Project #:	194-1247-0003	Date Completed:	11/23/2021
Boring #:	TT-SB-09	Groundwater Depth (ft):	7.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-09 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	8:45	11/23/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk. Br/Bl.		0.5-6.0' F SAND, F Gravel, concrete, brick and wood, slight petro odor.			0.0	
										0.0	
										0.8	
	5.0									2.3	
TT-SB-09 5-10 Run#1			44"	SW	Br.		6.0-8.0' F SAND, some F Gravel, little brick and wood, slight petro odor. Wet @ 7.0'bgs	8:51	11/23/2021	3.2	Collected Soil Sample TT-SB-09- 5.0-7.0 @ 09:15 High PID at 5.5'
										3.0	
										0.0	
				SP	Gr./Br.		8.0-10.0' F-M SAND, little F Gravel, tr Silt. Saturated			0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/23/2021

BORING NUMBER: TT-SB-10

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/23/2021
Project #:	194-1247-0003	Date Completed:	11/23/2021
Boring #:	TT-SB-10	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-10 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	10:45	11/23/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		0.5-3.0' F SAND and GRAVEL, little concrete and brick.			0.0	
										0.0	
							3.0-4.5' Brick			0.0	
	5.0									0.0	
TT-SB-10 5-10 Run#1			34"	SW	Br.		5.0-7.0' F SAND and brick, little F Gravel	10:51	11/23/2021	2.5	Collected Soil Sample TT-SB-10- 7.0-9.0 @ 11:06
										3.2	
				SP	Bl.		7.0-10.0' F SAND and F-M Gravel, some wood and asphalt.			3.7	
										0.6	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/23/2021

BORING NUMBER: TT-SB-11

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/23/2021
Project #:	194-1247-0003	Date Completed:	11/23/2021
Boring #:	TT-SB-11	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-11 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt and subbase.	13:15	11/23/2021	0.0	Cleared to 5' using hand tools and air knife.
							0.5-3.0' Compacted Gravel			0.0	
				FILL	Br.					0.0	
							3.0-6.0' F SAND, some F Gravel, brick and concrete.			0.0	
	5.0									1.2	
TT-SB-11 5-10 Run#1			48"					13:20	11/23/2021	0.8	Collected Soil Sample TT-SB-11- 6.5-8.5 @ 13:35 PID in Headspace - 10.5
				SW	Bl.		6.0-8.0' F SAND, some F Gravel, little Silt, Moist, slight petro odor			1.0	
										1.2	
				SP	Bl./Dk.Br.		8.0-10.0' F-M SAND, little F Gravel, tr. Silt - Wet at 8.5'bgs			0.6	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/23/2021

BORING NUMBER: TT-SB-12

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/24/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-12	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-12 0-5			NA	ASPHALT	Bl.		0.0-0.5'6" Asphalt and subbase.	8:30	11/24/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		0.5-5.0' F SAND and F-M Gravel, some brick, wood and concrete.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-12 5-10 Run#1			22"		Bl./Br.		5.0-8.0' F SAND, some F-M Gravel, little brick, wood and concrete.	8:55	11/24/2021	0.0	Collected Soil Sample TT-SB-12- 7.0-9.0 @ 09:08
										0.0	
										0.0	
				SP	Dk.Br.		8.0-10.0' F-M SAND, some F-M Gravel - Wet at 9.0'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-12GW on 12/07/2021 @ 11:05 (w/GW duplicate sample GW-DUP01
Patched on 12/07/2021

BORING NUMBER: TT-SB-13

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-13	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
				ASPHALT	Bl.		0.0-1.0' 6" Asphalt and 4" subbase.			0.0	Cleared to 5' using hand tools and air knife.
TT-SB-13 0-5			NA	FILL	Bl.		1.0-5.0' F SAND, some F-M Gravel, brick and concrete, little Silt.	8:22	11/29/2021	0.0	
										0.0	
										0.0	
	5.0									0.0	
				SW	Bl./Br.		5.0-9.0' F SAND, some F-M Gravel, little brick and concrete.	9:00	11/29/2021	0.0	Collected Soil Sample TT-SB-13- 7.5-9.5 @ 09:10
TT-SB-13 5-10 Run#1			30"							0.0	
										0.0	
										0.0	
	10.0			SP	Dk.Br.		9.0-10.0' F-M SAND, little F-M Gravel - Wet at 9.5'bgs			0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-13GW on 12/07/2021 @ 13:20
Patched on 12/09/2021

BORING NUMBER: TT-SB-14

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-14	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-14 0-5			NA	ASPHALT	Bl.		0.0-1.0' 6" Asphalt and 4" subbase.	9:49	11/29/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		1.0-5.5' F SAND and F-M Gravel, some brick and concrete.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-14 5-10 Run#1			45"					9:57	11/29/2021	0.0	Collected Soil Sample TT-SB-14- 7.5-9.5 @ 10:09
				SW	Br.		5.5-6.5' F SAND, little F Gravel and Silt			0.0	
				FILL	Bl.		6.5-7.5' ASH			0.0	
				SW	Br.		7.5-8.5' F SAND, little Silt.			0.0	
	10.0			SP	Dk.Br.		8.5-10.0' F-M SAND, little F-M Gravel, tr. Silt - Wet at 9.5'bgs			0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected SV sample TT-SB-14SV on 12/08/2021 @ 16:32
Patched on 12/09/2021

BORING NUMBER: TT-SB-15

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	11/29/2021
Boring #:	TT-SB-15	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-15 0-5			NA	ASPHALT	Bl.		0.0-1.0' 6" Asphalt and 4" subbase. (Geo-Mat)	10:33	11/29/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Gr.		1.0-2.0' F-M SAND and F-M Gravel.			0.0	
					Bl.		2.0-5.0' F SAND, some F-M Gravel, little Silt and Concrete.			0.0	
										0.0	
	5.0									0.0	
TT-SB-15 5-10 Run#1			36"				5.0-8.5' F SAND and ASH, some F-M Gravel.	11:01	11/29/2021	0.0	Collected Soil Sample TT-SB-15- 7.5-9.5 @ 11:09
										0.0	
										0.0	
				SP	Br.		8.5-10.0' F-M SAND, some F Gravel - Wet at 9.5'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Patched on 11/29/2021

BORING NUMBER: TT-SB-16

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-16	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-16 0-5			NA	ASPHALT	Bl.		0.0-0.5' 4" Asphalt and 2" subbase.	11:45	11/29/2021	0.0	Cleared to 5' using hand tools and air knife.
				SP	Br.		0.5-5.0' F SAND, some F Gravel.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-16 5-10 Run#1			39"	SW	Rd. Br.		5.0-8.0' F SAND, little Silt and F Gravel.	12:00	11/29/2021	0.0	Collected Soil Sample TT-SB-16- 7.5-9.5 @ 12:11
										0.0	
										0.0	
							8.0-9.0' F SAND, some Silt, little F Gravel. Moist			0.0	
	10.0			SP			9.0-10.0' F-M SAND, some F Gravel - Wet at 9.5'bgs			0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected SV sample TT-SB-16SV on 12/08/2021 @ 16:49
Patched on 12/09/2021

BORING NUMBER: TT-SB-17

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-17	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-17 0-5			NA	Concrete	Gr.		0.0-0.5' Re-enforced Concrete	13:38	11/29/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		0.5-3.0' F SAND and F-M Gravel, some Ash and Concrete.			0.0	
				SP	Br.		3.0-7.0' F SAND, some F-M Gravel, little Silt.			0.0	
	5.0									0.0	
TT-SB-17 5-10 Run#1			39"					13:45	11/29/2021	0.0	Collected Soil Sample TT-SB-17- 7.0-9.0 @ 13:55
										0.0	
				SP	Br.		7.0-10.0' F-M SAND, some F Gravel, little Silt. Wet@9.0'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected SV sample TT-SB-17SV on 12/08/2021 @ 17:39
Patched on 12/09/2021

BORING NUMBER: TT-SB-18

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/29/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-18	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-18 0-5			NA	ASPHALT	Gr.		0.0-0.5' 4" Asphalt and 2" Subbase	14:40	11/29/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk. Br.		0.5-4.0' F SAND, some F-M Gravel, Brick and Concrete.			0.0	
										0.0	
										0.0	
	5.0			SW	Br.		4.0-8.0' F SAND, little F Gravel and Silt.			0.0	
TT-SB-18 5-10 Run#1			45"					14:42	11/29/2021	0.0	Collected Soil Sample TT-SB-18- 7.0-9.0 @ 14:56
										0.0	
										0.0	
				SW	Gr.		8.0-10.0' F-M SAND, little F Gravel, tr. Silt. Wet@9.0'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-18GW on 12/07/2021 @ 12:15
Patched on 12/09/2021

BORING NUMBER: TT-SB-19

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/30/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-19	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-19 0-5			NA	ASPHALT	Gr.		0.0-0.67' 4" Asphalt and 2" Subbase.	8:30	11/30/2021	0.0	Cleared to 5' using hand tools and air knife.
				SP	Br.		0.67-5.0' F SAND and F-M Gravel, some Ash and Concrete.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-19 5-10 Run#1			39"	SM	Br.		5.0-6.0' F SAND, little Silt, tr. F Gravel	8:35	11/29/2021	0.0	Collected Soil Sample TT-SB-19- 7.0-9.0 @ 08:48
				FILL	Br.		6.0-6.5' F SAND, some Silt, little Brick and F Gravel.			0.0	
				SM	Br.		6.5-8.0' F SAND, little Silt, tr. F Gravel			0.0	
				FILL	Br.		8.0-9.0' F SAND, some Silt, little Brick and F Gravel, Moist.			0.0	
	10.0			SP	Gr.		9.0-10.0' F-M SAND, some F Gravel, little Silt, Wet			0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-19SV on 12/08/2021 @ 16:29
Patched on 12/09/2021

BORING NUMBER: TT-SB-20

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/30/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-20	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-20 0-5			NA	ASPHALT	Bl.		0.0-0.33' 4" Asphalt	9:18	11/30/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.33-1.5' Concrete			0.0	
				SW	Br.		1.5-5.0' F SAND, some F Gravel little Silt.			0.0	
										0.0	
	5.0									0.0	
TT-SB-20 5-10 Run#1			36"	FILL	Bl.		5.0-6.0' F SAND, some F-M Gravel, Brick and Concrete.	9:24	11/30/2021	0.0	Collected Soil Sample TT-SB-20- 6.5-8.5 @ 09:36
				SW	Dk. Br.		6.0-8.0' F SAND, some F Gravel, little Silt.			0.0	
										0.0	
				SP	Br.		8.0-10.0' F SAND, some Silt and F-M Gravel. Wet at 8.5'bgs.			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-20GW on 12/06/2021 @ 13:20
Patched on 12/07/2021

BORING NUMBER: TT-SB-21

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/30/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-21	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
				ASPHALT	Gr.		0.0-0.67' 6" Asphalt and 2" Subbase.			0.0	Cleared to 5' using hand tools and air knife.
TT-SB-21 0-5			NA								
					Br.		0.67-5.0' F SAND, some Silt and F-M Gravel, little Brick and Concrete.	10:10	11/30/2021	0.0	
	5.0									0.0	
				FILL						0.0	
TT-SB-21 5-10 Run#1			43"		Gr./Br.		5.0-10.0' F SAND and Silt, littel F Gravel, tr. Brick. Wet at 8.5'bgs	10:16	11/30/2021	0.7	Collected Soil Sample TT-SB-21- 6.5-8.5 @ 10:28
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected SV sample TT-SB-21SV on 12/08/2021 @ 17:46
Patched on 12/09/2021

BORING NUMBER: TT-SB-22

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/30/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-22	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-22 0-5			NA	ASPHALT	Bl.		0.0-0.8' 6" Asphalt, 4" Subbase	11:16	11/30/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.8-1.5' Concrete			0.0	
				FILL	Br.		1.5-5.0' F SAND, some F-M Gravel, little Silt and Brick.			0.0	
										0.0	
	5.0									0.0	
TT-SB-22 5-10 Run#1			36"	SW	Br.		5.0-6.0' F SAND, some Silt, little F Gravel.	11:22	11/30/2021	0.0	Collected Soil Sample TT-SB-22- 6.5-8.5 @ 11:33
				SM	Dk. Br.		6.0-7.0' F SAND, some Silt, little			0.0	
				SP	Dk. Br.		7.0-10.0' F SAND, little Silt and F Gravel. Wet at 8.5'			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-22GW on 12/06/2021 @ 15:22
Patched on 12/07/2021

BORING NUMBER: TT-SB-23

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	11/30/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-23	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-23 0-5			NA	ASPHALT	Bl.		0.0-0.5' 6" Asphalt	13:09	11/30/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.5-1.5' 4" Concrete, 4" Cobblestone			0.0	
				FILL	Br.		1.5-2.0' F SAND, some F-M Gravel, Brick and Concrete.			0.0	
				CONCRETE	Gr.		2.0-2.33' 4" Concrete			0.0	
	5.0			FILL	Br.		2.33-5.0' F SAND, some F Gravel, little Silt and Brick.			0.0	
TT-SB-23 5-10 Run#1			29"	SW	Br.		5.0-7.0' F SAND, little Silt and F Gravel.	13:16	11/30/2021	0.0	Collected Soil Sample TT-SB-23- 7.5-9.5 @ 13:30
										0.0	
				SM	Br.		7.0-8.0' F SAND and Silt, little Clay, Moist			0.0	
				SM	Br.		8.0.0-10.0' F SAND, little Silt Wet at 9.5'			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected GW sample TT-SB-23GW on 12/07/2021 @ 08:32
Patched on 12/07/2021

BORING NUMBER: TT-SB-24

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-24	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-24 0-5			NA	ASPHALT	Gr.		0.0-0.67' 6" Asphalt and 4" Subbase.	8:16	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Dk. Br.		0.67-5.0' F-M SAND, some F-M Gravel, Brick and Concrete.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-24 5-10 Run#1			36"	FILL	BL.		5.0-7.0' F SAND, some F-M Gravel, Brick and Concrete, Little Wood.	8:30	12/1/2021	0.0	Collected Soil Sample TT-SB-24- 6.5-8.5 @ 08:51 w/duplicate sample SDUP-02
										0.0	
				SM	Br.		7.0-8.0' F SAND, some Silt, tr. Clay, moist			1.2	
				FILL	Br.		8.0-10.0' F SAND, some Silt, little Brick and concrete, Wet at 8.5'bgs..			2.1	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-24SV on 12/08/2021 @ 15:00
Patched on 12/09/2021

BORING NUMBER: TT-SB-25

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-25	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-25 0-5			NA	ASPHALT	Gr.		0.0-1.33' 6" Asphalt and 2" Subbase, 8" cobblestone.	9:30	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		1.33-5.0' F-M SAND, some F-M Gravel, Brick and Concrete.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-25 5-10 Run#1			26"	SW	Br.		5.0-6.0' F SAND, some Silt, little F-M Gravel.	9:37	12/1/2021	0.0	Collected Soil Sample TT-SB-25- 7.0-9.0 @ 09:52
				SW	Br.		6.0-7.0' F-M SAND, little F Gravel and Silt.			0.0	
				SM	Br.		7.0-8.0' F SAND and SILT, little Clay.			0.0	
				SP	Gr/Bl		8.0-10.0' F-M SAND and F-M GRAVEL, little Silt, Wet at 9.0'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-25SV on 12/08/2021 @ 14:57
Patched on 12/09/2021

BORING NUMBER: TT-SB-26

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-26	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-26 0-5			NA	ASPHALT	Gr.		0.0-0.5' 4" Asphalt, 2" Subbase.	10:25	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		0.5-2.0' F SAND, some F-M Gravel. Slight Petro Odor.			0.0	
										5.7	
				SW	Gr.		2.0-5.0' F SAND, little F Gravel and Silt. Petro Odor.				
	5.0									11.8	
TT-SB-26 5-10 Run#1			25"	SM	Gr.		5.0-8.0' F SAND, some Silt and F Gravel. Strong Petro Odor.	10:30	12/1/2021	18.0	Collected Soil Sample TT-SB-26- 6.0-8.0 @ 10:38
										24.0	
										36.8	
				SP	Br.		8.0-9.5' F SAND and F-M Gravel, moist @ 9.0'bgs.			5.8	
	10.0			SP	Br.		9.5-10.0' F SAND, some Silt and F Gravel. Wet.			1.1	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Could not Collect SV sample TT-SB-26SV - SV point flooded
Patched on 12/09/2021

BORING NUMBER: TT-SB-27

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-27	Groundwater Depth (ft):	7.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-27 0-5			NA	ASPHALT	Bl.		0.0-0.83' Asphalt	11:25	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.83-1.5' Concrete			0.0	
				SW	Br.		1.5-5.0' F SAND, little Silt and F Gravel.			0.0	
										0.0	
	5.0									0.0	
TT-SB-27 5-10 Run#1			28"	SM	Br.		5.0-8.0' F SAND, some Silt, little F Gravel. Wet at 7.0'bgs	11:34	12/1/2021	0.0	Collected Soil Sample TT-SB-27- 5.0-7.0 @ 11:47
										0.0	
				SP	Br.		8.0-8.5' F-M SAND and F Gravel.			0.0	
				SM	Br.		8.5-10.0' F SAND, some Silt, little F Gravel.			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-27GW on 12/06/2021 @ 12:01
Patched on 12/07/2021

BORING NUMBER: TT-SB-28

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/1/2021
Boring #:	TT-SB-28	Groundwater Depth (ft):	8.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-28 0-5			NA	ASPHALT	Bl.		0.0-0.83' 6" Asphalt, 4" Subbase	13:23	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Bl.		0.83-2.0' F SAND, little F Gravel and Brick.			0.0	
				CONCRETE	Gr.		2.0-3.0' Concrete			0.0	
				FILL	Bl.		3.0-4.0' ASH			0.0	
	5.0			FILL	Bl.		3.0-5.0' F SAND, some Silt, little F Gravel, Brick and Concrete.			0.0	
TT-SB-28 5-10 Run#1			29"	SM	Br.		5.0-7.0' F SAND, some Silt, little F Gravel.	13:32	12/1/2021	0.0	Collected Soil Sample TT-SB-28- 7.0-9.0 @ 13:47
										0.0	
				SW	Dk. Br.		7.0-8.0' F SAND, little Silt and F Gravel. Saturated @ 8' bgs			0.0	
										0.0	
	10.0			SW	Br.		8.0-10.0' F SAND, some F Gravel, little Silt.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/01/2021

BORING NUMBER: TT-SB-29

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/1/2021
Project #:	194-1247-0003	Date Completed:	12/1/2021
Boring #:	TT-SB-29	Groundwater Depth (ft):	7.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-29 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt	14:34	12/1/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.5-1.5' Concrete			0.0	
				SP	Br.		1.5-3.0' F SAND, some F Gravel, little Silt.			0.0	
				FILL	Bl.		3.0-4.0' ASH			0.0	
	5.0			FILL	Br.		4.0-5.0' F SAND, some Silt, little F Gravel, Brick and Concrete.			0.0	
TT-SB-29 5-10 Run#1			34"	SM	Br.		5.0-7.0' F SAND, some Silt, little F Gravel, Moist @ 6.0'bgs	14:40	12/1/2021	0.0	Collected Soil Sample TT-SB-29- 4.0-6.0 @ 14:56
										0.0	
				SW	Dk. Br.		7.0-9.0' F SAND, little Silt and F Gravel. Saturated			0.0	
										0.0	
	10.0			SW	Rd. Br.		9.0-10.0' F SAND, little Silt and F Gravel.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/01/2021

BORING NUMBER: TT-SB-30

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/2/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-30	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-30 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt	8:36	12/2/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.5-1.5' Concrete			0.0	
				SP	Br.		1.5-3.0' F-M SAND, some F-M Gravel.			0.0	
				FILL	Bl.		2.0-7.0' F-M SAND and F Gravel, little Brick and Concrete..			0.0	
	5.0									0.0	
TT-SB-30 5-10 Run#1			27"					8:42	12/2/2021	0.0	Collected Soil Sample TT-SB-30- 7.0-9.0 @ 08:53
										0.0	
				SP	Br.		7.5-10.0' F SAND, some Silt, little F Gravel. Moist @ 9.0'bgs			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-30GW on 12/06/2021 @ 10:37
Patched on 12/07/2021

BORING NUMBER: TT-SB-31

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/2/2021
Project #:	194-1247-0003	Date Completed:	12/7/2021
Boring #:	TT-SB-31	Groundwater Depth (ft):	8.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-31 0-5			NA	ASPHALT	Bl.		0.0-0.5' Asphalt	9:50	12/2/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.5-1.0' Concrete			0.0	
				SW	Br.		1.0-5.0' F-M SAND, some F Gravel, little Silt.			0.0	
										0.0	
	5.0									0.0	
TT-SB-31 5-10 Run#1			42"	SP	Br./Bl.		5.0-7.0' F-M SAND, some F-M Gravel	10:41	12/2/2021	0.0	Collected Soil Sample TT-SB-31- 6.0-8.0 @ 10:50
										0.0	
				SM	Br.		7.0-8.0' F SAND, little F Gravel and Silt.			0.0	
				SP	Br.		8.0-10.0' F-M SAND, some F-M Gravel, Wet at 8.0'bgs			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed 1" Temp well to 15'bgs (10' of 0.020 slot Screen and 5' of Riser)				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										
	45.0										

Notes: Collected GW sample TT-SB-31GW on 12/06/2021 @ 08:45
Patched on 12/07/2021

BORING NUMBER: TT-SB-32

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/2/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-32	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-32 0-5			NA	ASPHALT	Bl.		0.0-0.33' Asphalt	11:26	12/2/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.33-0.83' Concrete			0.0	
				FILL	BL.		0.83-2.0' F-M SAND and F-M Gravel, some Brick and Concrete.			0.0	
				SW	Br.		2.0-5.0' F SAND, some Silt, little F Gravel.			0.0	
	5.0									0.0	
TT-SB-32 5-10 Run#1			23"	SW	Br.		5.0-7.0' F SAND, little Silt and F Gravel.	11:35	12/2/2021	0.0	Collected Soil Sample TT-SB-32- 7.0-9.0 @ 11:47
										0.0	
				SM	Br.		7.0-8.0' F SAND, and SILT, little Clay, moist.			0.0	
				SP	Br.		8.0-10.0' F-M SAND, some F Gravel, little Silt. Wet at 9.0'bgs.			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-32SV on 12/08/2021 @ 14:53
Patched on 12/09/2021

BORING NUMBER: TT-SB-33

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/2/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-33	Groundwater Depth (ft):	6.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-33 0-5			NA	ASPHALT/ CONCRETE	Bl./Gr		0.0-2.5' 4" Asphalt, 2" Subbase, 6" Concrete, 4" Asphalt, 2" Subbase, 5" Concrete.	13:20	12/2/2021	0.0	Cleared to 5' using hand tools and air knife.
										0.0	
				SP	Dk. Br.		2.5-5.0' F SAND, some F Gravel, little Silt.			0.0	
										0.7	
	5.0									0.0	
TT-SB-33 5-10 Run#1			33"	SP	Dk. Br.		5.0-10.0' F SAND, some F Gravel, little Silt. Wet at 6.5'bgs.	13:29	12/2/2021	0.0	Collected Soil Sample TT-SB-33- 4.5-6.5 @ 13:38
										0.0	
										0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-33SV on 12/08/2021 @ 14:50
Patched on 12/09/2021

BORING NUMBER: TT-SB-34

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/3/2021
Project #:	194-1247-0003	Date Completed:	12/3/2021
Boring #:	TT-SB-34	Groundwater Depth (ft):	6.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-34 0-5			NA	ASPHALT	Bl.		0.0-1' 11" Asphalt	8:00	12/3/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		1-3.0' 24" Concrete			0.0	
										0.0	
				SM	Br.		3.0-8.0' F SAND, little Gravel and F Gravel. Moist @ 6.0'bgs			0.0	
	5.0									0.0	
TT-SB-34 5-10 Run#1			24"					8:05	12/3/2021	0.0	Collected Soil Sample TT-SB-34- 4.0-6.0 @ 08:15
										0.0	
										0.0	
				SW	Dk. Br.		8.0-10.0' F-M SAND, some F Gravel. Wet.			0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/03/2021

BORING NUMBER: TT-SB-35

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/3/2021
Project #:	194-1247-0003	Date Completed:	12/3/2021
Boring #:	TT-SB-35	Groundwater Depth (ft):	5.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-35 0-5			NA	ASPHALT	Bl.		0.0-1.25' 11" Asphalt, 4" Subbase.	9:25	12/3/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		1.25-2.1' Concrete			0.0	
				FILL	Br.		2.1-7.0' F SAND, some F-M Gravel, Brick and Concrete little Silt, Wood and Metal. Wet at 5.0'bgs.			0.0	
										0.0	
	5.0									0.0	
TT-SB-35 5-10 Run#1			34"					9:35	12/3/2021	0.0	Collected Soil Sample TT-SB-35- 3.0-5.0 @ 09:47
										0.0	
				SW	Dk. Br.		7.0-10.0' F-M SAND, some F Gravel. Wet.			0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/03/2021

BORING NUMBER: TT-SB-36

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/3/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-36	Groundwater Depth (ft):	8.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-36 0-5			NA	ASPHALT	Bl.		0.0-0.33' Asphalt	10:54	12/3/2021	0.0	Cleared to 5' using hand tools and air knife.
				CONCRETE	Gr.		0.33-2.33' Concrete			0.0	
				SM	Br.		2.33-5.0' F SAND, little Silt, tr. F Gravel.			0.0	
										0.0	
	5.0									0.0	
TT-SB-36 5-10 Run#1			33"	SM	Br.		5.0-10.0' F SAND, little Silt, tr. F Gravel. Wet at 8.0'bgs.	11:00	12/3/2021	0.0	Collected Soil Sample TT-SB-36- 6.0-8.0 @ 1107
										0.0	
										0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-36SV on 12/08/2021 @ 16:56
Patched on 12/09/2021

BORING NUMBER: TT-SB-37

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/3/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-37	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-37 0-5			NA	CONCRETE	Gr.		0.0-0.5' Concrete	12:03	12/3/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		0.5-5.0' F SAND, some F-M Gravel, little Silt and Brick.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-37 5-10 Run#1			33"	FILL	Gr.		5.0-5.5' 4" Concrete	12:07	12/3/2021	0.0	Collected Soil Sample TT-SB-37- 7.0-9.0 @ 12:18
				SM	Br.		5.5-7.5' F SAND, little F Gravel and Silt.			0.0	
										0.0	
				FILL	Br.		7.5-10.0' F SAND, some F Gravel, little Silt and Brick. Wet at 9.0'bgs.			0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-37SV on 12/08/2021 @ 15:56
Patched on 12/09/2021

BORING NUMBER: TT-SB-38

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/6/2021
Project #:	194-1247-0003	Date Completed:	12/6/2021
Boring #:	TT-SB-38	Groundwater Depth (ft):	9.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-38 0-5			NA	ASPHALT	Bl.		0.0-1.75' 11" Asphalt, 4" Subbase, 4" Asphalt, 2" Subbase	8:22	12/6/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		1.75-6.0' F SAND, some F-M Gravel, Brick and Concrete little Silt.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-38 5-10 Run#1			32"					8:42	12/6/2021	0.0	Collected Soil Sample TT-SB-38- 7.5-9.5 @ 08:42
				FILL	Bl.		6.0-7.0' ASH			0.0	
				SW	Bl.		7.0-8.0' F SAND, some F Gravel, little Silt.			0.0	
				FILL	Rd.		8.0-9.0' BRICK			0.0	
	10.0			FILL	Bl.		9.0-10.0' F SAND, little F Brick and Silt Wet at 9.5'bgs.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/06/2021

BORING NUMBER: TT-SB-39

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/6/2021
Project #:	194-1247-0003	Date Completed:	12/9/2021
Boring #:	TT-SB-39	Groundwater Depth (ft):	8.5'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-39 0-5			NA	ASPHALT	Bl.		0.0-1.2' 10" Asphalt, 4" Subbase	9:15	12/6/2021	0.0	Cleared to 5' using hand tools and air knife.
				FILL	Br.		1.2-5.0' F SAND, some F Gravel, Brick, and Concrete, little Silt and Wood.			0.0	
										0.0	
										0.0	
	5.0									0.0	
TT-SB-39 5-10 Run#1			42"	FILL	Br./Bl.		5.0-10.0' F SAND, some F Gravel and Brick, little Silt, Concrete and Wood.	10:02	12/6/2021	0.0	Collected Soil Sample TT-SB-39- 6.5-8.5 @ 10:24 with MS/MSD
										0.0	
										0.0	
										0.0	
	10.0									0.0	
							End of Boring at 10'bgs. Installed Soil Vapor point				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Collected SV sample TT-SB-39SV on 12/08/2021 @ 15:52
Patched on 12/09/2021

BORING NUMBER: TT-SB-40

Field Boring Log Sheet

TETRA TECH

Project:	SBMT - Equinor	Date Started	12/6/2021
Project #:	194-1247-0003	Date Completed:	12/6/2021
Boring #:	TT-SB-40	Groundwater Depth (ft):	9.0'bgs.
Total Depth (ft):	10'bgs.	Ground Elevation (ft):	NA
Geologist:	A.Valli	X Coordinate:	
Driller:	Cascade/ADT	Y Coordinate:	
Drilling/Sampling Method:	GeoProbe 7728	GPS Datum:	NAD83

Sample ID	Depth (ft)	Blow Count per/6"	Recovery (ft)	USCS Soil Classicfication or Material	Color	Lithology	Description	Time	Date	PID (ppm)	Comments
TT-SB-40 0-5			NA	ASPHALT	Bl.		0.0-1.2' 8" Asphalt, 6" Subbase	11:33	12/6/2021	0.0	Cleared to 5' using hand tools and air knife.
				SP	Br.		1.2-4.0' F SAND, some F-M Gravel, little Silt.			0.0	
										0.0	
										0.0	
	5.0			FILL	Rd./Gr.		4.0-6.0' Brick and Concrete			0.0	
TT-SB-40 5-10 Run#1			40"					11:39	12/6/2021	0.0	Collected Soil Sample TT-SB-40- 6.0-8.0 @ 11:53
				SP	Br.		6.0-8.0' F-M SAND, some F-M Gravel, little Silt.			0.0	
										0.0	
				FILL	Rd./Gr.		8.0-9.0' Brick			0.0	
	10.0			SP	Bl.		8.0-10.0' F SAND, some F-M Gravel, little Silt, Moist at 9.0'bgs.			0.0	
							End of Boring at 10'bgs.				
	15.0										
	20.0										
	25.0										
	30.0										
	35.0										
	40.0										

Notes: Patched on 12/06/2021

APPENDIX B - Low Flow Data Sheets

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-02

Date: 12/7/21

Well Depth (from T.I.C.) = 13.49 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = _____ ft.

Pump Depth (ft) = 11'

Pump Start Time: 1454

Pump Type: Peristaltic

Sample I.D. : TT-SB-02Gw

TetraTech Sampler: C. Beers

Sample Time: _____

PID: _____

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1457	14.15	6.97	1.82	OVerrange	1.02	52	—	8.81	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1530	15.21	6.98	1.90	81	0.41	-63	-		clear

Total Volume Removed: _____

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-31

Date: 12/6/21

Well Depth (from T.I.C.) = 10.68 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 5.79 ft.

Pump Depth (ft) = 8'

Pump Start Time: 0825

Pump Type: Peristaltic

Sample I.D. : TT-SB-31GW

TetraTech Sampler: C. Beers

Sample Time: 0845

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
0827	12.67	7.10	0.871	987	3.29	69	150	5.79	Cloudy

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
0845	13.36	7.31	1.22	46	4.54	-10	150	7.59	Clear

Total Volume Removed: 0.5 gal

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-2D

Date: 12/6/21

Well Depth (from T.I.C.) = 13.95 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 6.57 ft.

Pump Depth (ft) = 11'

Pump Start Time: 1240

Pump Type: Peristaltic

Sample I.D. : TT-SB-2D-GW

TetraTech Sampler: C. Beers

Sample Time: 1326

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1245	18.40	7.05	0.819	Overrange	1.17	104	150	6.57	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1315	18.91	6.99	0.782	97	5.67	-51	150		Clear

Total Volume Removed: _____

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-36

Date: 12/6/21

Well Depth (from T.I.C.) = 14.04 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 7.65 ft.

Pump Depth (ft) = 12

Pump Start Time: 0957

Pump Type: Peristaltic

Sample I.D. : TT-SB-36GW

TetraTech Sampler: C. Beers

Sample Time: 1037

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1000	17.69	7.09	1.90	~~26~~ CM 2,561AU	0.52	21	125	7.65	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1036 ~~17.14~~ CB	17.14	6.76	0.002	96	9.38	-66	150	7.81	Clear/ ~~Brown~~ Cloudy

Total Volume Removed: 1.5gal

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-12

Date: 12/7/21

Well Depth (from T.I.C.) = 14.27 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 5.93 ft.

Pump Depth (ft) = 12'

Pump Start Time: 1047

Pump Type: Peristaltic

Sample I.D. : TT-SB-12GW

TetraTech Sampler: C. Beers

Sample Time: 1105

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1050	13.80	7.52	19.1	1,522	0.77	-297	—	5.93	Cloudy/ gray

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1103	12.51	7.31	5.81	23.2	1.31	-214	—	5.97	Clear

* Sheen observed in purge water bucket from TT-SB-12GW.

Total Volume Removed: _____

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-23

Date: 12/7/21

Well Depth (from T.I.C.) = 13.29 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 7.16 ft.

Pump Depth (ft) = 11'

Pump Start Time: 0738

Pump Type: Peristaltic

Sample I.D. : TT-SB-23GW

TetraTech Sampler: C. Rees

Sample Time: 0832

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
0741	11.21	6.83	1.79	Overrange	2.14	-50	—	7.16	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
0829	10.20	6.65	3.61	3,518	7.35	-95	—		Brown

Total Volume Removed: 3.5 gal

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-22

Date: 12/6/21

Well Depth (from T.I.C.) = 10.83 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 5.81 ft.

Pump Depth (ft) = 8'

Pump Start Time: 1403

Pump Type: Peristaltic

Sample I.D. : TT-SB-22GW

TetraTech Sampler: C. Burns

Sample Time: 1520

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
~~1545~~ CB 1405	15.43	9.96	0.204	overrange	10.36	21	150	5.81	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1457	15.45	9.61	0.198	278	10.74	-2	100ML	6.62	Lt. TAN

Total Volume Removed:

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-27

Date: 12/6/21

Well Depth (from T.I.C.) = 12.97 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 6.89 ft.

Pump Depth (ft) = 10'

Pump Start Time: 1137

Pump Type: Peristaltic

Sample I.D. : TT-SB-27GW

TetraTech Sampler: C. Beers

Sample Time: 1201

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1139	17.92	8.45	1.95	~~0.00~~ CD Overrange 975 (1145)	0.36	67	150	~~Brown Silty~~ CD 6.89	Brown Silty

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1159	18.64	7.59	2.50	41	6.94	-86	150	~~Clear~~ CD 6.97	Clear

* Sheen observed in purge water bucket ~5 minutes after pump start time.

Total Volume Removed: 1.5 gal

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-13G

Date: 12/7/21

Well Depth (from T.I.C.) = 14.17 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 8.31 ft.

Pump Depth (ft) = 12'

Pump Start Time: 1258

Pump Type: Peristaltic

Sample I.D. : TT-SB-13GW

TetraTech Sampler: C. Burns

Sample Time: 1326

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1302	16.61	7.09	1.42	Over range	0.58	-35	—	8.31	Black

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1318	15.21	7.19	1.21	41	1.23	-11	—	8.42	Clear

Total Volume Removed:

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-18

Date: 12/7/21

Well Depth (from T.I.C.) = 14.57 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 8.06 ft.

Pump Depth (ft) = 12'

Pump Start Time: 1158

Pump Type: Peristaltic

Sample I.D. : TT-SB-18GW

TetraTech Sampler: C. Beers

Sample Time: 1215

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1201	15.73	7.05	2.02	2011	1.38	-114	—	8.06	Brown

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1213	16.30	6.93	1.92	6	0.00	-122	—	8.16	clear

Total Volume Removed: _____

TETRA TECH

Low-Flow Data Sheet

Project Name: SBMY

Project No.: 194-1247-0003

Well I.D.: TT-SB-06

Date: 12/7/21

Well Depth (from T.I.C.) = 12.03 ft.

Well Diameter (in) = 1"

Static Water Level (from T.I.C) = 5.60 ft.

Pump Depth (ft) = 10'

Pump Start Time: 1354

Pump Type: Peristaltic

Sample I.D. : TT-SB-06GW

TetraTech Sampler: C. Burn

Sample Time: 1420

PID:

Beginning WQ Readings

Time:	Temp. (°F)	pH (SU)	Spec. Conduct (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Flow Rate (ml/min)	Static Water Level	Color
1358	13.42	7.14	1.76	Overrange	3.27	-44	—	5.60	Brown Silty

Final WQ Readings

Time:	Temp. (°F)	pH (SU)	Conduct	(NTUs)	D.O. (mg/L)	(mV)	(ml/min)	Water	Color
1418	14.31	7.15	3.46	27.7	0.00 ~~7.1~~ CS	-171	—		Clear

Total Volume Removed: _____

APPENDIX C - Laboratory Analytical Data Packages

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD35644

Sampling Dates: 11/18/21 - 11/19/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 57

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Table of Contents

Sample Summary

Tetra Tech

Job No: JD35644

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD35644-1	11/18/21	12:21	AV	11/19/21	SO	Soil	TT-SB-01-5.5-6.0
JD35644-1A	11/18/21	12:21	AV	11/19/21	SO	Soil	TT-SB-01-5.5-6.0
JD35644-2	11/18/21	13:40	AV	11/19/21	SO	Soil	TT-SB-02-7.0-9.0
JD35644-2A	11/18/21	13:40	AV	11/19/21	SO	Soil	TT-SB-02-7.0-9.0
JD35644-3	11/19/21	09:26	AV	11/19/21	SO	Soil	TT-SB-03-7.0-9.0
JD35644-3A	11/19/21	09:26	AV	11/19/21	SO	Soil	TT-SB-03-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD35644
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/20/2021 10:47:23 A

On 11/19/2021, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35644 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9765

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35673-5DUP, JD35673-6MS, JD35673-5DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Acetone, Xylene (total) are outside control limits for sample JD35673-5DUP. RPD acceptable due to low DUP and sample concentrations.
- JD35644-3 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD35644-1 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for Bromoform: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88699

- The data for EPA 537M BY ID meets quality control requirements.
- JD35644-3A: Analysis performed at SGS Orlando, FL.
- JD35644-1A: Analysis performed at SGS Orlando, FL.
- JD35644-2A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36783

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35604-1MS, JD35604-1MSD were used as the QC samples indicated.
- JD35644-2 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high,sample was ND.
- JD35644-2 for Hexachlorobutadiene: Associated CCV outside of control limits high,sample was ND.
- JD35644-2 for Acetophenone: Associated CCV outside of control limits high,sample was ND.
- JD35644-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high,sample was ND.
- JD35644-2 for 2-Nitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD35644-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD35644-2 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high,sample was ND.
- JD35644-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for Atrazine: Associated CCV outside of control limits high,sample was ND. Associated CCV outside of control limits high, sample was ND.
- JD35644-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for 2-Nitroaniline: Associated CCV outside of control limits high,sample was ND.
- JD35644-3 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35644-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35644-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35644-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high,sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36783A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35644-1MS, JD35644-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36786

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35604-1MS, JD35604-1MSD, OP36786-MSMSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36787

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35604-2MS, JD35604-2MSD, OP36787-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD35644-2 for Aroclor 1016: Associated CCV outside of control limits high, sample was ND.
- OP36787-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD35644-3 for Aroclor 1260: Associated CCV outside of control limits high, sample was ND.
- JD35644-2 for Aroclor 1260: Associated CCV outside of control limits high, sample was ND.
- JD35644-3 for Aroclor 1016: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36792

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35645-1MS, JD35645-1MSD were used as the QC samples indicated.
- JD35644-1 for 2,4-DCAA: Outside control limits due to matrix interference.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30071

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD34540-2RMSD, JD34540-2RPS, JD34540-2RSDL, JD34540-2RMS, JD34540-2RMSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Iron, Magnesium, Potassium, Sodium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Magnesium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Beryllium, Lead, Selenium are outside control limits for sample MP30071-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30023

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35650-1MS, JD35650-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN24183

- Sample(s) JD35645-1DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP37244

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35531-11DUP, JD35531-11MS were used as the QC samples for Cyanide.
- The following samples were run outside of holding time for method SW846 9012B/LACHAT: JD35644-1, JD35644-2, JD35644-3 Sample prepped within holding time, but run out of holding time.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD35644
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/17/2021 6:32:40

On 11/19/2021, 3 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35644 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88699

Sample(s) JD35626-1MS, JD35626-1MSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD35644
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/18/21 thru 11/19/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35644-1	**TT-SB-01-5.5-6.0**					
Acenaphthene		14.8 J	36	13	ug/kg	SW846 8270E
Acenaphthylene		28.5 J	36	18	ug/kg	SW846 8270E
Anthracene		45.4	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene		127	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		121	36	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		172	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		88.9	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		59.0	36	17	ug/kg	SW846 8270E
1,1'-Biphenyl		69.4 J	73	5.0	ug/kg	SW846 8270E
Carbazole		20.4 J	73	5.3	ug/kg	SW846 8270E
Chrysene		157	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		24.3 J	36	16	ug/kg	SW846 8270E
Dibenzofuran		25.0 J	73	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		139	73	8.5	ug/kg	SW846 8270E
Fluoranthene		216	36	16	ug/kg	SW846 8270E
Fluorene		21.3 J	36	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		119	36	17	ug/kg	SW846 8270E
2-Methylnaphthalene		298	36	8.2	ug/kg	SW846 8270E
Naphthalene		160	36	10	ug/kg	SW846 8270E
Phenanthrene		181	36	12	ug/kg	SW846 8270E
Pyrene		224	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		3620 J			ug/kg	
4,4'-DDE		1.5	0.67	0.59	ug/kg	SW846 8081B
2,4,5-T		3.6	3.5	1.8	ug/kg	SW846 8151A
Aluminum		6820	58		mg/kg	SW846 6010D
Arsenic		10.3	2.3		mg/kg	SW846 6010D
Barium		114	23		mg/kg	SW846 6010D
Beryllium		0.62	0.23		mg/kg	SW846 6010D
Calcium		4240	580		mg/kg	SW846 6010D
Chromium		16.9	1.2		mg/kg	SW846 6010D
Cobalt		7.7	5.8		mg/kg	SW846 6010D
Copper		69.3	2.9		mg/kg	SW846 6010D
Iron		21900	58		mg/kg	SW846 6010D
Lead		342	2.3		mg/kg	SW846 6010D
Magnesium		2270	580		mg/kg	SW846 6010D
Manganese		284	1.7		mg/kg	SW846 6010D
Mercury		0.082	0.037		mg/kg	SW846 7471B
Nickel		27.3	4.6		mg/kg	SW846 6010D
Silver		0.95	0.58		mg/kg	SW846 6010D
Vanadium		22.8	5.8		mg/kg	SW846 6010D
Zinc		178	5.8		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35644
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/18/21 thru 11/19/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35644-1A	**TT-SB-01-5.5-6.0**					
No hits reported in this sample.						
JD35644-2	**TT-SB-02-7.0-9.0**					
Acenaphthene		31.0 J	37	13	ug/kg	SW846 8270E
Anthracene		88.1	37	22	ug/kg	SW846 8270E
Benzo(a)anthracene		230	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		192	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		250	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		106	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		98.3	37	17	ug/kg	SW846 8270E
Carbazole		28.5 J	73	5.3	ug/kg	SW846 8270E
Chrysene		230	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		35.4 J	37	16	ug/kg	SW846 8270E
Dibenzofuran		16.2 J	73	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		99.5	73	8.5	ug/kg	SW846 8270E
Fluoranthene		463	37	16	ug/kg	SW846 8270E
Fluorene		39.4	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		127	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene		13.4 J	37	8.3	ug/kg	SW846 8270E
Naphthalene		10.6 J	37	10	ug/kg	SW846 8270E
Phenanthrene		356	37	12	ug/kg	SW846 8270E
Pyrene		446	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		610 J			ug/kg	
Aluminum		7900	56		mg/kg	SW846 6010D
Arsenic		6.2	2.3		mg/kg	SW846 6010D
Barium		90.8	23		mg/kg	SW846 6010D
Beryllium		0.45	0.23		mg/kg	SW846 6010D
Calcium		13900	560		mg/kg	SW846 6010D
Chromium		12.2	1.1		mg/kg	SW846 6010D
Cobalt		5.6	5.6		mg/kg	SW846 6010D
Copper		31.0	2.8		mg/kg	SW846 6010D
Iron		14800	56		mg/kg	SW846 6010D
Lead		270	2.3		mg/kg	SW846 6010D
Magnesium		3150	560		mg/kg	SW846 6010D
Manganese		270	1.7		mg/kg	SW846 6010D
Mercury		0.18	0.030		mg/kg	SW846 7471B
Nickel		14.1	4.5		mg/kg	SW846 6010D
Silver		0.82	0.56		mg/kg	SW846 6010D
Vanadium		20.5	5.6		mg/kg	SW846 6010D
Zinc		95.2	5.6		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35644
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/18/21 thru 11/19/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35644-2A	**TT-SB-02-7.0-9.0**					
No hits reported in this sample.						
JD35644-3	**TT-SB-03-7.0-9.0**					
Benzo(a)anthracene		14.8 J	34	9.7	ug/kg	SW846 8270E
Benzo(b)fluoranthene		15.2 J	34	15	ug/kg	SW846 8270E
Chrysene		12.3 J	34	11	ug/kg	SW846 8270E
Fluoranthene		19.6 J	34	15	ug/kg	SW846 8270E
Phenanthrene		15.2 J	34	12	ug/kg	SW846 8270E
Pyrene		22.6 J	34	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1460 J			ug/kg	
Aluminum		3240	50		mg/kg	SW846 6010D
Arsenic		2.6	2.0		mg/kg	SW846 6010D
Beryllium		0.24	0.20		mg/kg	SW846 6010D
Calcium		2260	500		mg/kg	SW846 6010D
Chromium		12.6	1.0		mg/kg	SW846 6010D
Copper		9.4	2.5		mg/kg	SW846 6010D
Iron		8360	50		mg/kg	SW846 6010D
Lead		11.3	2.0		mg/kg	SW846 6010D
Magnesium		3570	500		mg/kg	SW846 6010D
Manganese		95.9	1.5		mg/kg	SW846 6010D
Mercury		0.067	0.030		mg/kg	SW846 7471B
Nickel		39.2	4.0		mg/kg	SW846 6010D
Vanadium		12.3	5.0		mg/kg	SW846 6010D
Zinc		25.7	5.0		mg/kg	SW846 6010D
JD35644-3A	**TT-SB-03-7.0-9.0**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240167.D	1	11/24/21 15:50	TDN	11/20/21 13:00	n/a	VI9765
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform [a]	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		72-130%
17060-07-0	1,2-Dichloroethane-D4	101%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	99%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176696.D	1	11/30/21 03:49	KLS	11/23/21 10:30	OP36783	EM7595
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	14.8	36	13	ug/kg	J
208-96-8	Acenaphthylene	28.5	36	18	ug/kg	J
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	45.4	36	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	127	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	121	36	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	172	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	88.9	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	59.0	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	69.4	73	5.0	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	20.4	73	5.3	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	157	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	24.3	36	16	ug/kg	J
132-64-9	Dibenzofuran	25.0	73	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	139	73	8.5	ug/kg	
206-44-0	Fluoranthene	216	36	16	ug/kg	
86-73-7	Fluorene	21.3	36	17	ug/kg	J
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	119	36	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	298	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	160	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	181	36	12	ug/kg	
129-00-0	Pyrene	224	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-109%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	48%		10-105%
118-79-6	2,4,6-Tribromophenol	60%		10-135%
4165-60-0	Nitrobenzene-d5	57%		10-119%
321-60-8	2-Fluorobiphenyl	64%		18-112%
1718-51-0	Terphenyl-d14	61%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.32	1800	ug/kg	J
124-18-5	Decane	4.44	400	ug/kg	JN
	C4 alkyl benzene	4.81	270	ug/kg	J
	System artifact	5.18	160	ug/kg	J
	Alkane	6.17	160	ug/kg	J
	System artifact	6.30	330	ug/kg	J
	Alkane	6.38	230	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	6.63	180	ug/kg	JN
	Naphthalene dimethyl	7.39	220	ug/kg	J
	Naphthalene dimethyl	7.49	190	ug/kg	J
	Naphthalene dimethyl	7.53	270	ug/kg	J
	System artifact	7.64	300	ug/kg	J
	Alkane	7.67	240	ug/kg	J
	Alkane	8.57	160	ug/kg	J
	System artifact	9.05	160	ug/kg	J
	Alkane	9.30	170	ug/kg	J
	Alkane	9.80	540	ug/kg	J
	System artifact	10.38	150	ug/kg	J
	System artifact	11.61	170	ug/kg	J
	System artifact	15.64	180	ug/kg	J
	System artifact	16.49	160	ug/kg	J
	Unknown alcohol	17.20	440	ug/kg	J
	Unknown	17.45	150	ug/kg	J
	Total TIC, Semi-Volatile		3620	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105021.D	1	12/10/21 22:25	KLS	11/23/21 10:30	OP36783A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		10-107%
321-60-8	2-Fluorobiphenyl	54%		17-91%
1718-51-0	Terphenyl-d14	61%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134215.D	1	11/25/21 07:16	RK	11/24/21 10:05	OP36792	G3G4896
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	7.9	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	3.6	3.5	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	659% [a]		10-125%
19719-28-9	2,4-DCAA	79%		10-125%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723088.D	1	11/24/21 21:00	TC	11/23/21 10:00	OP36786	G4G3662
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.67	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	0.61	ug/kg	
72-55-9	4,4'-DDE	1.5	0.67	0.59	ug/kg	
50-29-3	4,4'-DDT	ND	0.67	0.59	ug/kg	
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		27-138%
877-09-8	Tetrachloro-m-xylene	119%		27-138%
2051-24-3	Decachlorobiphenyl	108%		10-179%
2051-24-3	Decachlorobiphenyl	130%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK6903.D	1	12/06/21 05:49	TL	11/23/21 10:00	OP36787	GRK180
Run #2							

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	16	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		24-152%
877-09-8	Tetrachloro-m-xylene	104%		24-152%
2051-24-3	Decachlorobiphenyl	71%		10-172%
2051-24-3	Decachlorobiphenyl	137%		10-172%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6820	58	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	10.3	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	114	23	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.62	0.23	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	4240	580	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	16.9	1.2	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.7	5.8	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	69.3	2.9	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	21900	58	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	342	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2270	580	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	284	1.7	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.082	0.037	mg/kg	1	11/24/21	11/24/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	27.3	4.6	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.95	0.58	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	22.8	5.8	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	178	5.8	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51485
(2) Instrument QC Batch: MA51523
(3) Prep QC Batch: MP30023
(4) Prep QC Batch: MP30071

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.23	0.23	mg/kg	1	12/09/21 01:58	EB	SW846 9012B/LACHAT
Solids, Percent	89.2		%	1	11/22/21 17:03	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1A	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q23725.D	1	12/16/21 07:46	AFL	12/08/21 07:00	F:OP88699	F:S4Q325
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.43	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-01-5.5-6.0		
Lab Sample ID:	JD35644-1A	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	95%		40-140%
	13C5-PFPeA	100%		50-150%
	13C5-PFHxA	101%		50-150%
	13C4-PFHpA	103%		50-150%
	13C8-PFOA	105%		50-150%
	13C9-PFNA	107%		50-150%
	13C6-PFDA	110%		50-150%
	13C7-PFUnDA	108%		40-140%
	13C2-PFDoDA	105%		40-140%
	13C2-PFTeDA	101%		30-130%
	13C3-PFBS	101%		50-150%
	13C3-PFHxS	98%		50-150%
	13C8-PFOS	105%		50-150%
	13C8-FOSA	104%		30-130%
	d3-MeFOSAA	123%		40-140%
	d5-EtFOSAA	134%		40-140%
	13C2-6:2FTS	103%		50-150%
	13C2-8:2FTS	106%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240168.D	1	11/24/21 16:11	TDN	11/20/21 13:00	n/a	VI9765
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.6	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.48	ug/kg	
75-25-2	Bromoform [a]	ND	5.6	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.85	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.58	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.51	ug/kg	
76-13-1	Freon 113	ND	5.6	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.6	2.9	ug/kg	
100-42-5	Styrene	ND	2.2	0.45	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.85	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	90%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176929.D	1	12/11/21 00:44	KLS	11/23/21 10:30	OP36783	EM7605
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	31.0	37	13	ug/kg	J
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone [a]	ND	180	7.9	ug/kg	
120-12-7	Anthracene	88.1	37	22	ug/kg	
1912-24-9	Atrazine [b]	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	230	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	192	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	250	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	106	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	98.3	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	28.5	73	5.3	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	230	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	35.4	37	16	ug/kg	J
132-64-9	Dibenzofuran	16.2	73	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	99.5	73	8.5	ug/kg	
206-44-0	Fluoranthene	463	37	16	ug/kg	
86-73-7	Fluorene	39.4	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	127	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	13.4	37	8.3	ug/kg	J
88-74-4	2-Nitroaniline [a]	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	10.6	37	10	ug/kg	J
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	356	37	12	ug/kg	
129-00-0	Pyrene	446	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-109%

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		10-105%
118-79-6	2,4,6-Tribromophenol	88%		10-135%
4165-60-0	Nitrobenzene-d5	70%		10-119%
321-60-8	2-Fluorobiphenyl	63%		18-112%
1718-51-0	Terphenyl-d14	64%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.26	230	ug/kg	J
	Internal standard added for SIM test	4.63	160	ug/kg	J
	Internal standard added for SIM test	6.51	180	ug/kg	J
	Octadecenamide	14.90	610	ug/kg	J
	Total TIC, Semi-Volatile		610	ug/kg	J

(a) Associated CCV outside of control limits high,sample was ND.
(b) Associated CCV outside of control limits high,sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105022.D	1	12/10/21 22:45	KLS	11/23/21 10:30	OP36783A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-107%
321-60-8	2-Fluorobiphenyl	59%		17-91%
1718-51-0	Terphenyl-d14	60%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134216.D	1	11/25/21 07:43	RK	11/24/21 10:05	OP36792	G3G4896
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.3	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.7	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	80%		10-125%
19719-28-9	2,4-DCAA	69%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723089.D	1	11/24/21 21:15	TC	11/23/21 10:00	OP36786	G4G3662
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.61	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.74	0.60	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.74	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.74	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.74	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	0.74	0.65	ug/kg	
50-29-3	4,4'-DDT	ND	0.74	0.66	ug/kg	
72-20-8	Endrin	ND	0.74	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		27-138%
877-09-8	Tetrachloro-m-xylene	117%		27-138%
2051-24-3	Decachlorobiphenyl	76%		10-179%
2051-24-3	Decachlorobiphenyl	102%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK6645.D	1	11/25/21 17:40	CP	11/23/21 10:00	OP36787	GRK173
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 [a]	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	16	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		24-152%
877-09-8	Tetrachloro-m-xylene	118%		24-152%
2051-24-3	Decachlorobiphenyl	93%		10-172%
2051-24-3	Decachlorobiphenyl	119%		10-172%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7900	56	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	6.2	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	90.8	23	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.45	0.23	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	13900	560	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.2	1.1	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.6	5.6	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	31.0	2.8	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	14800	56	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	270	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3150	560	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	270	1.7	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.18	0.030	mg/kg	1	11/24/21	11/24/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	14.1	4.5	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.82	0.56	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	20.5	5.6	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	95.2	5.6	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51485
(2) Instrument QC Batch: MA51523
(3) Prep QC Batch: MP30023
(4) Prep QC Batch: MP30071

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.32	0.32	mg/kg	1	12/09/21 02:02	EB	SW846 9012B/LACHAT
Solids, Percent	89.5		%	1	11/22/21 17:03	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2A	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q23726.D	1	12/16/21 08:03	AFL	12/08/21 07:00	F:OP88699	F:S4Q325
Run #2							

	Initial Weight	Final Volume
Run #1	2.06 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.54	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.54	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.54	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.54	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.54	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.54	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.54	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.54	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.54	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.54	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.54	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.54	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.54	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.54	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.54	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.54	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02-7.0-9.0		
Lab Sample ID:	JD35644-2A	**Date Sampled:**	11/18/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		40-140%
	13C5-PFPeA	93%		50-150%
	13C5-PFHxA	93%		50-150%
	13C4-PFHpA	95%		50-150%
	13C8-PFOA	97%		50-150%
	13C9-PFNA	97%		50-150%
	13C6-PFDA	100%		50-150%
	13C7-PFUnDA	98%		40-140%
	13C2-PFDoDA	98%		40-140%
	13C2-PFTeDA	98%		30-130%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	94%		50-150%
	13C8-PFOS	99%		50-150%
	13C8-FOSA	94%		30-130%
	d3-MeFOSAA	115%		40-140%
	d5-EtFOSAA	125%		40-140%
	13C2-6:2FTS	93%		50-150%
	13C2-8:2FTS	96%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240169.D	1	11/24/21 16:31	TDN	11/20/21 13:00	n/a	VI9765
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.6	4.0	ug/kg	
71-43-2	Benzene	ND	0.48	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform [a]	ND	4.8	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.8	0.73	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.6	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.57	ug/kg	
67-66-3	Chloroform	ND	1.9	0.50	ug/kg	
74-87-3	Chloromethane	ND	4.8	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.63	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.96	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.96	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.96	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.96	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	0.70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.96	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.96	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.96	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.96	0.80	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.96	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.96	0.43	ug/kg	
76-13-1	Freon 113	ND	4.8	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.8	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.8	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.84	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.96	0.45	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.8	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.8	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	
108-88-3	Toluene	ND	0.96	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.53	ug/kg	
79-01-6	Trichloroethene	ND	0.96	0.73	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.46	ug/kg	
	m,p-Xylene	ND	0.96	0.86	ug/kg	
95-47-6	o-Xylene	ND	0.96	0.44	ug/kg	
1330-20-7	Xylene (total)	ND	0.96	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	100%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

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N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID: TT-SB-03-7.0-9.0
Lab Sample ID: JD35644-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/19/21
Date Received: 11/19/21
Percent Solids: 95.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176655.D	1	11/25/21 01:07	CS	11/23/21 10:30	OP36783	EM7594
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	340	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine [a]	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	14.8	34	9.7	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	15.2	34	15	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	14	ug/kg	
218-01-9	Chrysene	12.3	34	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	5.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	8.0	ug/kg	
206-44-0	Fluoranthene	19.6	34	15	ug/kg	J
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	16	ug/kg	
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.8	ug/kg	
88-74-4	2-Nitroaniline	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	ND	34	9.7	ug/kg	
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	15.2	34	12	ug/kg	J
129-00-0	Pyrene	22.6	34	11	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		7-101%

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Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	54%		12-101%
118-79-6	2,4,6-Tribromophenol	96%		10-127%
4165-60-0	Nitrobenzene-d5	67%		15-114%
321-60-8	2-Fluorobiphenyl	71%		22-104%
1718-51-0	Terphenyl-d14	74%		23-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.26	140	ug/kg	J
	System artifact/aldol-condensation	3.32	380	ug/kg	J
	Unknown	15.00	290	ug/kg	J
	Alkane	15.26	220	ug/kg	J
	Alkane	15.93	270	ug/kg	J
	Alkane	16.58	360	ug/kg	J
	Alkane	17.20	320	ug/kg	J
	Total TIC, Semi-Volatile		1460	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105023.D	1	12/10/21 23:06	KLS	11/23/21 10:30	OP36783A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		10-107%
321-60-8	2-Fluorobiphenyl	63%		17-91%
1718-51-0	Terphenyl-d14	65%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134217.D	1	11/25/21 08:10	RK	11/24/21 10:05	OP36792	G3G4896
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	64%		10-125%
19719-28-9	2,4-DCAA	43%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723090.D	1	11/24/21 21:30	TC	11/23/21 10:00	OP36786	G4G3662
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.67	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.67	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	0.59	ug/kg	
50-29-3	4,4'-DDT	ND	0.67	0.60	ug/kg	
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		27-138%
877-09-8	Tetrachloro-m-xylene	96%		27-138%
2051-24-3	Decachlorobiphenyl	80%		10-179%
2051-24-3	Decachlorobiphenyl	85%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK6650.D	1	11/25/21 19:02	CP	11/23/21 10:00	OP36787	GRK173
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 [a]	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		24-152%
877-09-8	Tetrachloro-m-xylene	119%		24-152%
2051-24-3	Decachlorobiphenyl	118%		10-172%
2051-24-3	Decachlorobiphenyl	107%		10-172%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID: TT-SB-03-7.0-9.0
Lab Sample ID: JD35644-3
Matrix: SO - Soil
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/19/21
Date Received: 11/19/21
Percent Solids: 95.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3240	50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.6	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 20	20	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.24	0.20	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	2260	500	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.6	1.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.0	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	9.4	2.5	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	8360	50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	11.3	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3570	500	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	95.9	1.5	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.067	0.030	mg/kg	1	11/24/21	11/24/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	39.2	4.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1000	1000	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.50	0.50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	12.3	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	25.7	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51485
(2) Instrument QC Batch: MA51523
(3) Prep QC Batch: MP30023
(4) Prep QC Batch: MP30071

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.23	0.23	mg/kg	1	12/09/21 02:04	EB	SW846 9012B/LACHAT
Solids, Percent	95		%	1	11/22/21 17:03	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

4.6

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q23727.D	1	12/16/21 08:20	AFL	12/08/21 07:00	F:OP88699	F:S4Q325
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.40	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.26	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.26	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.26	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.26	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.26	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.26	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.26	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.26	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.26	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.26	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.26	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.26	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.26	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-03-7.0-9.0		
Lab Sample ID:	JD35644-3A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	95.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		40-140%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	100%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	103%		50-150%
	13C9-PFNA	105%		50-150%
	13C6-PFDA	106%		50-150%
	13C7-PFUnDA	105%		40-140%
	13C2-PFDoDA	103%		40-140%
	13C2-PFTeDA	103%		30-130%
	13C3-PFBS	98%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	102%		50-150%
	13C8-FOSA	100%		30-130%
	d3-MeFOSAA	117%		40-140%
	d5-EtFOSAA	120%		40-140%
	13C2-6:2FTS	98%		50-150%
	13C2-8:2FTS	100%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SGS

EHSA-QAC-0023-04-FORM-Standard COC

SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of __

FED-EX Tracking #
Bottle Order Control # JS-111121-141
SGS Quote #
SGS Job # JD 35644

Client / Reporting Information
Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City, State, Zip: PARSIPPANY, NJ
Project Contact: B CANTAGALLO
E-mail:
Phone #: 973 570 4045
Sampler(s) Name(s): ALEX VALL
Phone #:

Project Information
Project Name: 2ND AVE & 33RD ST.
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis: V8260 TCL 20+ | AB 8270 TCL+20 | B 8270 SIM 14 DIOX | P8081/PEST. TCL | P8082 PCB11 | H8151 STD | X MTAL CN | MTAL | LCID 537 NY 21

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260	AB 8270	B 8270 SIM	P8081	P8082	H8151	X MTAL CN	MTAL	LCID 537		LAB USE ONLY
1	TT-SB-01-5.5-6.0		11/18/21	1221	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓		034
2	TT-SB-02-7.0-9.0		11/18/21	1340	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓		P15
3	TT-SB-03-7.0-9.0		11/19/21	0926	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓		14F6
																												4978

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
* 3 459 encore
Initial Assessment SP3B
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 A. VALL	11/19/2021	1	2	1807 11/19/21	2 [signature]
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☐ Cooler Temp. °C — See Sample Receipt Summary

CIP 2.4

5.1

JD35644: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD35644 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/19/2021 6:07:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (1.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD35644: Chain of Custody
Page 2 of 3

Job Change Order: JD35644

Requested Date:	12/13/2021	**Received Date:**	11/19/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD35644-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD35644: Chain of Custody
Page 3 of 3

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD35644

Client / Reporting Information

Company Name:
Street Address:
City / State / Zip:
Project Contact / E-mail: Jadon.Schiller@sgs.com
Phone #:
Sampler(s) Name(s): AV | Phone:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LCD537NY21	LAB USE ONLY
1A	TT-SB-01-5.5-6.0		11/18/21	12:21:00 PM	AV	SO										X	
2A	TT-SB-02-7.0-9.0		11/18/21	1:40:00 PM	AV	SO										X	
3A	TT-SB-03-7.0-9.0		11/19/21	9:26:00 AM	AV	SO										X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (SGS PM) / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	11/22/21 19:5	1	2	11/22/21	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time: 1015	Received By:
3		3	4		4
Relinquished by:	Date / Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable: Absent	On Ice	Cooler Temp. °C
5		5			Therm. ID:		4.4 Day

INITIAL ASSESSMENT

LABEL VERIFICATION

jd35644.xls
Rev. Date: 4/10/18

JD35644: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD35644 **Client:** SGS NJ **Project:** 2ND AVENUE

Date / Time Received: 11/23/2021 10:15:00 AM **Delivery Method:** FX **Airbill #'s:** 5272 0636 5812

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH Date: 11/23/2021 10:15:00 Reviewer: _____ Date: _____

5.2

Dayton, NJ **12/21/21**

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD35645

Sampling Date: 11/19/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report:
28

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Table of Contents

Sample Summary

Tetra Tech

Job No: JD35645

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD35645-1	11/19/21	10:41	AV	11/19/21	SO	Soil	TT-SB-04-7.5-9.5
JD35645-1A	11/19/21	10:41	AV	11/19/21	SO	Soil	TT-SB-04-7.5-9.5

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD35645
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/20/2021 11:10:56 A

On 11/19/2021, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35645 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V3C7565

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35602-1MS, JD35602-2DUP were used as the QC samples indicated.
- JD35645-1 for Bromomethane: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88699

- The data for EPA 537M BY ID meets quality control requirements.
- JD35645-1A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36783

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35604-1MS, JD35604-1MSD were used as the QC samples indicated.
- JD35645-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35645-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35645-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35645-1 for Atrazine: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36783A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35644-1MS, JD35644-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36786

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35604-1MS, JD35604-1MSD, OP36786-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36787

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35604-2MS, JD35604-2MSD, OP36787-MSMSD were used as the QC samples indicated.
- OP36787-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD35645-1 for Aroclor 1260: Associated CCV outside of control limits high, sample was ND.
- JD35645-1 for Aroclor 1016: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36792

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35645-1MS, JD35645-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30071

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD34540-2RMSD, JD34540-2RPS, JD34540-2RSDL, JD34540-2RMS, JD34540-2RMSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Iron, Magnesium, Potassium, Sodium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluninum, Antimony, Iron, Magnesium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Beryllium, Lead, Selenium are outside control limits for sample MP30071-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30023

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35650-1MS, JD35650-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN24183

- Sample(s) JD35645-1DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix: SO **Batch ID:** GP37244

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35531-11DUP, JD35531-11MS were used as the QC samples for Cyanide.
- The following samples were run outside of holding time for method SW846 9012B/LACHAT: JD35645-1 Sample prepped within holding time, but run out of holding time.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD35645
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/17/2021 6:40:52

On 11/19/2021, 1 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35645 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88699

Sample(s) JD35626-1MS, JD35626-1MSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives exceptas noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD35645
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35645-1	**TT-SB-04-7.5-9.5**					
Acetone		5.5 J	9.3	3.8	ug/kg	SW846 8260D
Benzo(a)anthracene		27.6 J	34	9.5	ug/kg	SW846 8270E
Benzo(a)pyrene		25.0 J	34	15	ug/kg	SW846 8270E
Benzo(b)fluoranthene		36.7	34	15	ug/kg	SW846 8270E
Chrysene		27.7 J	34	11	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		34.5 J	67	7.9	ug/kg	SW846 8270E
Fluoranthene		47.2	34	15	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		19.0 J	34	16	ug/kg	SW846 8270E
Phenanthrene		26.1 J	34	11	ug/kg	SW846 8270E
Pyrene		51.9	34	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		590 J			ug/kg	
4,4'-DDD		1.4	0.70	0.64	ug/kg	SW846 8081B
4,4'-DDE		0.90	0.70	0.61	ug/kg	SW846 8081B
4,4'-DDT		7.3	0.70	0.62	ug/kg	SW846 8081B
Aluminum		4340	50		mg/kg	SW846 6010D
Arsenic		2.9	2.0		mg/kg	SW846 6010D
Barium		39.0	20		mg/kg	SW846 6010D
Beryllium		0.31	0.20		mg/kg	SW846 6010D
Calcium		2150	500		mg/kg	SW846 6010D
Chromium		15.2	1.0		mg/kg	SW846 6010D
Cobalt		5.3	5.0		mg/kg	SW846 6010D
Copper		16.8	2.5		mg/kg	SW846 6010D
Iron		16100	50		mg/kg	SW846 6010D
Lead		20.3	2.0		mg/kg	SW846 6010D
Magnesium		3940	500		mg/kg	SW846 6010D
Manganese		193	1.5		mg/kg	SW846 6010D
Mercury		0.037	0.031		mg/kg	SW846 7471B
Nickel		35.4	4.0		mg/kg	SW846 6010D
Silver		0.60	0.50		mg/kg	SW846 6010D
Vanadium		14.8	5.0		mg/kg	SW846 6010D
Zinc		37.4	5.0		mg/kg	SW846 6010D
JD35645-1A	**TT-SB-04-7.5-9.5**					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C171619.D	1	11/24/21 16:32	TDN	11/20/21 13:00	n/a	V3C7565
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.5	9.3	3.8	ug/kg	J
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.6	1.3	ug/kg	
74-83-9	Bromomethane [a]	ND	4.6	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.6	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.48	ug/kg	
74-87-3	Chloromethane	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.67	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.6	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.6	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.6	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.51	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.83	ug/kg	
95-47-6	o-Xylene	ND	0.93	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	0.93	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		72-130%
17060-07-0	1,2-Dichloroethane-D4	112%		75-131%
2037-26-5	Toluene-D8	97%		81-121%
460-00-4	4-Bromofluorobenzene	107%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-04-7.5-9.5
Lab Sample ID: JD35645-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/19/21
Date Received: 11/19/21
Percent Solids: 94.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176656.D	1	11/25/21 01:35	CS	11/23/21 10:30	OP36783	EM7594
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	60	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	22	ug/kg	
	3&4-Methylphenol	ND	67	28	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	340	90	ug/kg	
87-86-5	Pentachlorophenol	ND	130	32	ug/kg	
108-95-2	Phenol	ND	67	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine [a]	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	27.6	34	9.5	ug/kg	J
50-32-8	Benzo(a)pyrene	25.0	34	15	ug/kg	J
205-99-2	Benzo(b)fluoranthene	36.7	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.2	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	8.0	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	27.7	34	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	34	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	34	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.4	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	6.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	34.5	67	7.9	ug/kg	J
206-44-0	Fluoranthene	47.2	34	15	ug/kg	
86-73-7	Fluorene	ND	34	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19.0	34	16	ug/kg	J
78-59-1	Isophorone	ND	67	7.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.6	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.4	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.7	ug/kg	
91-20-3	Naphthalene	ND	34	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	26.1	34	11	ug/kg	J
129-00-0	Pyrene	51.9	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		7-101%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		12-101%
118-79-6	2,4,6-Tribromophenol	98%		10-127%
4165-60-0	Nitrobenzene-d5	67%		15-114%
321-60-8	2-Fluorobiphenyl	71%		22-104%
1718-51-0	Terphenyl-d14	75%		23-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.26	190	ug/kg	J
	System artifact/aldol-condensation	3.32	250	ug/kg	J
	Unknown	15.00	590	ug/kg	J
	Total TIC, Semi-Volatile		590	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105024.D	1	12/10/21 23:27	KLS	11/23/21 10:30	OP36783A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		10-107%
321-60-8	2-Fluorobiphenyl	64%		17-91%
1718-51-0	Terphenyl-d14	67%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134221.D	1	11/25/21 09:57	RK	11/24/21 10:05	OP36792	G3G4896
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	115%		10-125%
19719-28-9	2,4-DCAA	68%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723092.D	1	11/24/21 21:59	TC	11/23/21 10:00	OP36786	G4G3662
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.52	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	1.4	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	0.90	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT	7.3	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		27-138%
877-09-8	Tetrachloro-m-xylene	104%		27-138%
2051-24-3	Decachlorobiphenyl	90%		10-179%
2051-24-3	Decachlorobiphenyl	94%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK6651.D	1	11/25/21 19:18	CP	11/23/21 10:00	OP36787	GRK173
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016 [a]	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260 [a]	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	137%		24-152%
877-09-8	Tetrachloro-m-xylene	130%		24-152%
2051-24-3	Decachlorobiphenyl	126%		10-172%
2051-24-3	Decachlorobiphenyl	118%		10-172%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4340	50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.9	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	39.0	20	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.31	0.20	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	2150	500	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	15.2	1.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.3	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	16.8	2.5	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	16100	50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	20.3	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3940	500	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	193	1.5	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.037	0.031	mg/kg	1	11/24/21	11/24/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	35.4	4.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1000	1000	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.60	0.50	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	14.8	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	37.4	5.0	mg/kg	1	11/30/21	12/01/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51485
(2) Instrument QC Batch: MA51523
(3) Prep QC Batch: MP30023
(4) Prep QC Batch: MP30071

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
		Percent Solids:	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.23	0.23	mg/kg	1	12/09/21 02:05	EB	SW846 9012B/LACHAT
Solids, Percent	94.6		%	1	11/22/21 17:03	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4Q23728.D	1	12/16/21 08:36	AFL	12/08/21 07:00	F:OP88699	F:S4Q325
Run #2							

	Initial Weight	Final Volume
Run #1	2.08 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.0	0.39	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.51	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.51	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.51	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.51	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.51	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.51	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.51	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.51	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.51	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.51	0.25	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.51	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.51	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.51	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.51	0.25	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.51	0.25	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.51	0.25	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.0	0.51	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.51	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-04-7.5-9.5		
Lab Sample ID:	JD35645-1A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/19/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	94.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		40-140%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	99%		50-150%
	13C4-PFHpA	100%		50-150%
	13C8-PFOA	102%		50-150%
	13C9-PFNA	104%		50-150%
	13C6-PFDA	107%		50-150%
	13C7-PFUnDA	105%		40-140%
	13C2-PFDoDA	103%		40-140%
	13C2-PFTeDA	101%		30-130%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	96%		50-150%
	13C8-PFOS	100%		50-150%
	13C8-FOSA	107%		30-130%
	d3-MeFOSAA	107%		40-140%
	d5-EtFOSAA	112%		40-140%
	13C2-6:2FTS	96%		50-150%
	13C2-8:2FTS	99%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SGS

so
sl

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: SB-111121-141
SGS Quote #:
SGS Job #: JD 35645

Client / Reporting Information
Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: 973 630 4045
Sampler(s) Name(s): A. VALLI Phone #:

Project Information
Project Name: 2ND AVE & 33RD St.
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis: V8260 TCL20+; AB8270 TCL+20; B8270 SIM 1,4 Diox; P8081 PEST. TCL; P8082 PCB 11; H8151 STD; XMTAL CN; MTAL; LCID 531 NY 21

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	V8260 TCL20+	AB8270 TCL+20	B8270 SIM 1,4 Diox	P8081 PEST. TCL	P8082 PCB 11	H8151 STD	XMTAL CN	MTAL	LCID 531 NY 21	LAB USE ONLY
1	TT-SB-04-7.5-9.5	•	11/19/21	1041	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	D34 P15 14F6 4936

pH Check (Lab Use Only)

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
☐ 10 Business Days
☐ 5 Business Days
☐ 3 Business Days*
☐ 2 Business Days*
☐ 1 Business Day*
☐ Other
All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable
☐ Commercial "A" (Level 1)
☐ Commercial "B" (Level 2)
☐ NJ Reduced (Level 3)
☐ Full Tier I (Level 4)
☐ Commercial "C"
☐ NJ DKQP
☐ NYASP Category A
☐ NYASP Category B
☐ MA MCP Criteria
☐ CT RCP Criteria
☐ State Forms
☐ EDD Format
☐ DOD-QSM5
Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
• 3759 encore
Initial Assessment SP3B
Label Verification
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	11/19/21 1310	1 [signature]	2 [signature]	11/19/21 1807	2 [signature]
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☐ Cooler Temp. °C See Sample Receipt Summary

CZP 3.4 / 2.4

5.1

JD35645: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD35645 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/19/2021 6:07:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (1.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD35645: Chain of Custody
Page 2 of 3

Job Change Order: JD35645

Requested Date:	12/13/2021	**Received Date:**	11/19/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD35645-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD35645: Chain of Custody
Page 3 of 3

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD35645

Client / Reporting Information

Company Name:
Street Address:
City State Zip
Project Contact: Jadon.Schiller@sgs.com E-mail:
Phone #:
Sampler(s) Name(s): AV Phone:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MECH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	HNO3	H2SO4	NaOH	Znac	DI Water	MEOH	EnCore	LCID537NY21 -	LAB USE ONLY
1A	TT-SB-04-7.5-9.5		11/19/21	10:41:00 AM	AV	SO										X	

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT.

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		11/20/21 14:00	Fedex	FX	11/23/21	
2					10:15	
3						
4						
5						

Custody Seal # | Intact | Not Intact | Preserved where applicable | Absent | Therm. ID | On Ice | Cooler Temp. °C: 3.8 IR-4

INITIAL ASSESSMENT

LABEL VERIFICATION

jd35645.xls
Rev. Date: 4/10/18

JD35645: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD35645 **Client:** SGS NJ **Project:** 2ND AVENUE

Date / Time Received: 11/23/2021 10:15:00 AM **Delivery Method:** FX **Airbill #'s:** 5272 0636 5606

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH Date: 11/23/2021 10:15:00 Reviewer: _____ Date: _____

5.2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD35782

Sampling Dates: 11/19/21 - 11/23/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: **122**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

Table of Contents

Sample Summary

Tetra Tech

Job No: JD35782

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD35782-1	11/19/21	13:50	AV	11/23/21	SO	Soil	TT-SB-05-6.5-8.5
JD35782-1A	11/19/21	13:50	AV	11/23/21	SO	Soil	TT-SB-05-6.5-8.5
JD35782-2	11/19/21	16:00	AV	11/23/21	SO	Soil	S DUP-01
JD35782-2A	11/19/21	16:00	AV	11/23/21	SO	Soil	S DUP-01
JD35782-3	11/22/21	09:35	AV	11/23/21	SO	Soil	TT-SB-06-5.0-7.0
JD35782-3A	11/22/21	09:35	AV	11/23/21	SO	Soil	TT-SB-06-5.0-7.0
JD35782-4	11/22/21	12:23	AV	11/23/21	SO	Soil	TT-SB-07-6.0-8.0
JD35782-4A	11/22/21	12:23	AV	11/23/21	SO	Soil	TT-SB-07-6.0-8.0
JD35782-5	11/22/21	14:04	AV	11/23/21	SO	Soil	TT-SB-08-7.0-9.0
JD35782-5A	11/22/21	14:04	AV	11/23/21	SO	Soil	TT-SB-08-7.0-9.0
JD35782-6	11/23/21	09:15	AV	11/23/21	SO	Soil	TT-SB-09-5.0-7.0
JD35782-6A	11/23/21	09:15	AV	11/23/21	SO	Soil	TT-SB-09-5.0-7.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech

Job No: JD35782

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD35782-6AD	11/23/21	09:15	AV	11/23/21	SO	Soil Dup/MSD	TT-SB-09-5.0-7.0
JD35782-6AS	11/23/21	09:15	AV	11/23/21	SO	Soil Matrix Spike	TT-SB-09-5.0-7.0
JD35782-6D	11/23/21	09:15	AV	11/23/21	SO	Soil Dup/MSD	TT-SB-09-5.0-7.0
JD35782-6S	11/23/21	09:15	AV	11/23/21	SO	Soil Matrix Spike	TT-SB-09-5.0-7.0
JD35782-7	11/23/21	11:06	AV	11/23/21	SO	Soil	TT-SB-10-7.0-9.0
JD35782-7A	11/23/21	11:06	AV	11/23/21	SO	Soil	TT-SB-10-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No:**	JD35782
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/23/2021 1:27:54 P

On 11/23/2021, 7 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35782 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9766

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.
- JD35782-5 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-2 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-1 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD35782-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- VI9766-BS for 1,2-Dichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- JD35782-3 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-3 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-3 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD35782-3 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- VI9766-BS for Trichlorofluoromethane: High percent recovery and no associated positive reported in the QC batch.
- JD35782-6 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-6 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD35782-1 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- VI9766-BS for 1,3-Dichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- JD35782-6 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-4 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-5 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-2 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD35782-2 for 1,2-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9766

- JD35782-2 for 1,3-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD35782-5 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for Trichlorofluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: SO **Batch ID:** VI9767

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD35839-2MS, JD35839-4DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88771

- The data for EPA 537M BY ID meets quality control requirements.
- JD35782-4A: Analysis performed at SGS Orlando, FL.
- JD35782-7A: Analysis performed at SGS Orlando, FL.
- JD35782-1A: Analysis performed at SGS Orlando, FL.
- JD35782-3A: Analysis performed at SGS Orlando, FL.
- JD35782-6A: Analysis performed at SGS Orlando, FL.
- JD35782-2A: Analysis performed at SGS Orlando, FL.
- JD35782-5A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36836

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for Hexachlorocyclopentadiene are outside of in house control limits.
- JD35782-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD35782-6 for Pentachlorophenol: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- OP36836-MSD for Hexachlorocyclopentadiene: Outside of in house control limits.
- JD35782-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36836

- JD35782-2 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for Acetophenone: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD35782-7 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD35782-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-6 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-7 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD35782-4 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD35782-2 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD35782-5 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36836A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36830

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MS/MSD for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, delta-BHC, Dieldrin, Endosulfan sulfate, Endosulfan-I, Endosulfan-II, Endrin, Endrin aldehyde, Endrin ketone, gamma-BHC (Lindane), gamma-Chlordane, Heptachlor, Heptachlor epoxide, Methoxychlor are outside control limits. Analytical precision exceeds in-house control limits.
- Matrix Spike Duplicate Recovery(s) for alpha-Chlordane, gamma-Chlordane, 4,4'-DDD, 4,4'-DDE are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD35782-2: Confirmation run.
- JD35782-6: Confirmation run.
- JD35782-4: Confirmation run.
- OP36830-BS1: Had TBA cleanup.
- OP36830-MB1: Had TBA cleanup.
- JD35782-1: Confirmation run.
- JD35782-2 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35782-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35782-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35782-4 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for alpha-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35782-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35782-6 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-1 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-1 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- OP36830-BS1 for Heptachlor epoxide: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD35782-2 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for Endrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-2 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-1 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-4 for Endrin ketone: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-7 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-7 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35782-6 for Heptachlor epoxide: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36830

- JD35782-6 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36831

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36859

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for 2,4,5-T, 2,4,5-TP (Silvex) are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for 2,4,5-T, 2,4,5-TP (Silvex) are outside control limits. Analytical precision exceeds in-house control limits.
- JD35782-2: Had TBA cleanup. Dilution required due to matrix interference.
- JD35782-6: Had TBA cleanup. Dilution required due to matrix interference.
- JD35782-5: Had TBA cleanup. Dilution required due to matrix interference.
- JD35782-4: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-MB1: Had TBA cleanup.
- JD35782-1: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-MS: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-BS1: Had TBA cleanup.
- JD35782-7: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-MSD: Had TBA cleanup. Dilution required due to matrix interference.
- JD35782-7 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-4 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-5 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-2 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-1 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-6 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.
- JD35782-3 for 2,4,5-T: Associated CCV outside of control limits high, sample was ND.

Metals Analysis By Method SW846 6010D

Matrix:	SO	Batch ID:	MP30089

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD, JD35782-6PS, JD35782-6SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Iron, Magnesium, Potassium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MS/MSD for Magnesium are outside control limits. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Potassium, Silver, Sodium, Thallium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD35782-7 for Silver: Elevated detection limit due to dilution required for high interfering element.
- MP30089-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP30089-MB1 for Iron: All reported results <RL or >10x MB value.
- MP30089-SD1 for Aluminum, Barium : Serial dilution indicates possible matrix interference.
- MP30089-SD1 for Copper: Serial dilution indicates possible matrix interference.
- JD35782-5 for Silver: Elevated detection limit due to dilution required for high interfering element.
- MP30089-SD1 for Magnesium: Serial dilution indicates possible matrix interference.
- MP30089-SD1 for Manganese: Serial dilution indicates possible matrix interference.
- MP30089-SD1 for Vanadium: Serial dilution indicates possible matrix interference.
- JD35782-2 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD35782-4 for Silver: Elevated detection limit due to dilution required for high interfering element.
- MP30089-SD1 for Calcium: Serial dilution indicates possible matrix interference.
- MP30089-MB1 for Aluminum: All reported results <RL or >10x MB value.
- MP30089-MB1 for Manganese: All reported results <RL or >10x MB value.

Metals Analysis By Method SW846 7471B

Matrix:	SO	Batch ID:	MP30055

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN24290

- Sample(s) JD35782-6DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix: SO **Batch ID:** GP37293

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6DUP, JD35782-6MS, JD35782-7MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- JD35782-1 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-6 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-4 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-2 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-3 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-5 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35782-7 for Cyanide: Sample prepped within holding time, but run out of holding time.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD35782
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/22/2021 6:56:37

On 11/23/2021, 7 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35782 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88771

Sample(s) JD35782-6AMS, JD35782-6AMSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35782-1	**TT-SB-05-6.5-8.5**					
Acetone		18.8	11	4.4	ug/kg	SW846 8260D
Carbon disulfide		0.76 J	2.1	0.57	ug/kg	SW846 8260D
Acenaphthene		237	42	15	ug/kg	SW846 8270E
Acenaphthylene		178	42	21	ug/kg	SW846 8270E
Anthracene		528	42	26	ug/kg	SW846 8270E
Benzo(a)anthracene		1270	42	12	ug/kg	SW846 8270E
Benzo(a)pyrene		1160	42	19	ug/kg	SW846 8270E
Benzo(b)fluoranthene		1370	42	19	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		690	42	21	ug/kg	SW846 8270E
Benzo(k)fluoranthene		571	42	20	ug/kg	SW846 8270E
1,1'-Biphenyl		28.8 J	84	5.8	ug/kg	SW846 8270E
Carbazole		158	84	6.1	ug/kg	SW846 8270E
Chrysene		1430	42	13	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		204	42	19	ug/kg	SW846 8270E
Dibenzofuran		169	84	17	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		173	84	9.9	ug/kg	SW846 8270E
Fluoranthene		2600	42	19	ug/kg	SW846 8270E
Fluorene		269	42	19	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		881	42	20	ug/kg	SW846 8270E
2-Methylnaphthalene		76.1	42	9.5	ug/kg	SW846 8270E
Naphthalene		201	42	12	ug/kg	SW846 8270E
Phenanthrene		1720	42	14	ug/kg	SW846 8270E
Pyrene		2790	42	14	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		8870 J			ug/kg	
gamma-BHC (Lindane) [a]		2.8	0.84	0.62	ug/kg	SW846 8081B
gamma-Chlordane [a]		2.5	0.84	0.38	ug/kg	SW846 8081B
4,4'-DDD		20.2	0.84	0.78	ug/kg	SW846 8081B
4,4'-DDE		5.8	0.84	0.74	ug/kg	SW846 8081B
4,4'-DDT [a]		2.2	0.84	0.75	ug/kg	SW846 8081B
Aluminum		5910	44		mg/kg	SW846 6010D
Arsenic		4.7	1.7		mg/kg	SW846 6010D
Barium		658	17		mg/kg	SW846 6010D
Beryllium		0.44	0.17		mg/kg	SW846 6010D
Cadmium		0.54	0.44		mg/kg	SW846 6010D
Calcium		24400	870		mg/kg	SW846 6010D
Chromium		13.6	0.87		mg/kg	SW846 6010D
Copper		39.2	2.2		mg/kg	SW846 6010D
Iron		11400	44		mg/kg	SW846 6010D
Lead		363	1.7		mg/kg	SW846 6010D
Magnesium		4160	440		mg/kg	SW846 6010D
Manganese		256	1.3		mg/kg	SW846 6010D
Mercury		0.33	0.017		mg/kg	SW846 7471B
Nickel		13.3	3.5		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Potassium		1110	870		mg/kg	SW846 6010D
Silver		0.80	0.44		mg/kg	SW846 6010D
Vanadium		21.3	4.4		mg/kg	SW846 6010D
Zinc		370	4.4		mg/kg	SW846 6010D
JD35782-1A	**TT-SB-05-6.5-8.5**					
No hits reported in this sample.						
JD35782-2	**S DUP-01**					
Acetone		20.7	9.3	3.9	ug/kg	SW846 8260D
Carbon disulfide		1.2 J	1.9	0.50	ug/kg	SW846 8260D
o-Xylene		0.51 J	0.93	0.43	ug/kg	SW846 8260D
Xylene (total)		0.51 J	0.93	0.43	ug/kg	SW846 8260D
Total TIC, Volatile		33.9 J			ug/kg	
Acenaphthene		144	37	13	ug/kg	SW846 8270E
Acenaphthylene		157	37	19	ug/kg	SW846 8270E
Anthracene		360	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		861	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		746	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		942	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		432	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		387	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		16.1 J	73	5.0	ug/kg	SW846 8270E
Carbazole		108	73	5.3	ug/kg	SW846 8270E
Chrysene		926	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		139	37	16	ug/kg	SW846 8270E
Dibenzofuran		87.5	73	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		1170	73	8.6	ug/kg	SW846 8270E
Fluoranthene		1790	37	16	ug/kg	SW846 8270E
Fluorene		175	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		558	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene		40.5	37	8.3	ug/kg	SW846 8270E
Naphthalene		93.3	37	10	ug/kg	SW846 8270E
Phenanthrene		1190	37	12	ug/kg	SW846 8270E
Pyrene		1850	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		4520 J			ug/kg	
Aldrin [a]		1.5	0.76	0.63	ug/kg	SW846 8081B
gamma-BHC (Lindane) [a]		7.9	0.76	0.56	ug/kg	SW846 8081B
alpha-Chlordane		6.9	0.76	0.61	ug/kg	SW846 8081B
gamma-Chlordane [a]		4.9	0.76	0.34	ug/kg	SW846 8081B
Dieldrin [a]		1.6	0.76	0.52	ug/kg	SW846 8081B
4,4'-DDD		29.5	0.76	0.70	ug/kg	SW846 8081B
4,4'-DDE		9.0	0.76	0.67	ug/kg	SW846 8081B

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
4,4'-DDT [a]	4.5	0.76	0.67	ug/kg	SW846 8081B
Endrin [a]	0.92	0.76	0.59	ug/kg	SW846 8081B
Endosulfan-II	4.8	0.76	0.48	ug/kg	SW846 8081B
Aluminum	5420	56		mg/kg	SW846 6010D
Arsenic	4.3	2.2		mg/kg	SW846 6010D
Barium	812	22		mg/kg	SW846 6010D
Beryllium	0.43	0.22		mg/kg	SW846 6010D
Cadmium	0.65	0.56		mg/kg	SW846 6010D
Calcium	32000	1100		mg/kg	SW846 6010D
Chromium	12.4	1.1		mg/kg	SW846 6010D
Copper	29.2	2.8		mg/kg	SW846 6010D
Iron	11100	56		mg/kg	SW846 6010D
Lead	337	2.2		mg/kg	SW846 6010D
Magnesium	3740	560		mg/kg	SW846 6010D
Manganese	255	1.7		mg/kg	SW846 6010D
Mercury	0.34	0.030		mg/kg	SW846 7471B
Nickel	12.5	4.5		mg/kg	SW846 6010D
Vanadium	20.4	5.6		mg/kg	SW846 6010D
Zinc	422	5.6		mg/kg	SW846 6010D
JD35782-2A S DUP-01					
No hits reported in this sample.					
JD35782-3 TT-SB-06-5.0-7.0					
Acetone	10.2	8.6	3.5	ug/kg	SW846 8260D
Benzo(a)anthracene	33.5 J	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene	40.0	36	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene	44.6	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	22.2 J	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	20.1 J	36	17	ug/kg	SW846 8270E
Chrysene	30.8 J	36	11	ug/kg	SW846 8270E
Fluoranthene	52.6	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	28.7 J	36	17	ug/kg	SW846 8270E
Phenanthrene	17.2 J	36	12	ug/kg	SW846 8270E
Pyrene	59.8	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	160 J			ug/kg	
Aluminum	4600	55		mg/kg	SW846 6010D
Arsenic	2.2	2.2		mg/kg	SW846 6010D
Barium	37.1	22		mg/kg	SW846 6010D
Beryllium	0.53	0.22		mg/kg	SW846 6010D
Calcium	2290	550		mg/kg	SW846 6010D
Chromium	11.7	1.1		mg/kg	SW846 6010D
Copper	10.5	2.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		8890	55		mg/kg	SW846 6010D
Lead		15.8	2.2		mg/kg	SW846 6010D
Magnesium		2240	550		mg/kg	SW846 6010D
Manganese		170	1.6		mg/kg	SW846 6010D
Mercury		0.070	0.031		mg/kg	SW846 7471B
Nickel		16.9	4.4		mg/kg	SW846 6010D
Vanadium		17.0	5.5		mg/kg	SW846 6010D
Zinc		32.4	5.5		mg/kg	SW846 6010D
JD35782-3A	**TT-SB-06-5.0-7.0**					
No hits reported in this sample.						
JD35782-4	**TT-SB-07-6.0-8.0**					
Acetone		8.9 J	11	4.4	ug/kg	SW846 8260D
Benzene		3.8	0.53	0.48	ug/kg	SW846 8260D
Carbon disulfide		0.68 J	2.1	0.57	ug/kg	SW846 8260D
Toluene		1.5	1.1	0.56	ug/kg	SW846 8260D
Acenaphthene		307	37	13	ug/kg	SW846 8270E
Acenaphthylene		203	37	19	ug/kg	SW846 8270E
Acetophenone [b]		23.5 J	190	8.1	ug/kg	SW846 8270E
Anthracene		790	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		2120	37	11	ug/kg	SW846 8270E
Benzo(a)pyrene		1850	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		2370	37	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		1050	37	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		902	37	18	ug/kg	SW846 8270E
1,1'-Biphenyl		37.9 J	75	5.1	ug/kg	SW846 8270E
Carbazole		273	75	5.4	ug/kg	SW846 8270E
Chrysene		2330	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		338	37	17	ug/kg	SW846 8270E
Dibenzofuran		223	75	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		173	75	8.8	ug/kg	SW846 8270E
Fluoranthene		3770	75	33	ug/kg	SW846 8270E
Fluorene		243	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		1350	37	18	ug/kg	SW846 8270E
2-Methylnaphthalene		139	37	8.5	ug/kg	SW846 8270E
Naphthalene		245	37	11	ug/kg	SW846 8270E
Phenanthrene		2680	37	13	ug/kg	SW846 8270E
Pyrene		3930	75	24	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		10530 J			ug/kg	
Aldrin [a]		2.1	0.70	0.57	ug/kg	SW846 8081B
alpha-BHC [a]		1.1	0.70	0.57	ug/kg	SW846 8081B
gamma-BHC (Lindane) [a]		9.5	0.70	0.51	ug/kg	SW846 8081B

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
alpha-Chlordane	21.3	0.70	0.56	ug/kg	SW846 8081B
gamma-Chlordane	23.5	0.70	0.32	ug/kg	SW846 8081B
Dieldrin [a]	1.0	0.70	0.48	ug/kg	SW846 8081B
4,4'-DDD [a]	5.7	0.70	0.64	ug/kg	SW846 8081B
4,4'-DDE	4.1	0.70	0.61	ug/kg	SW846 8081B
4,4'-DDT [a]	4.2	0.70	0.62	ug/kg	SW846 8081B
Heptachlor epoxide	1.5	0.70	0.49	ug/kg	SW846 8081B
Endrin ketone [a]	3.3	0.70	0.50	ug/kg	SW846 8081B
Aluminum	4920	55		mg/kg	SW846 6010D
Arsenic	5.7	2.2		mg/kg	SW846 6010D
Barium	92.5	22		mg/kg	SW846 6010D
Beryllium	0.44	0.22		mg/kg	SW846 6010D
Calcium	65100	2700		mg/kg	SW846 6010D
Chromium	10.5	1.1		mg/kg	SW846 6010D
Copper	32.7	2.7		mg/kg	SW846 6010D
Iron	17000	55		mg/kg	SW846 6010D
Lead	169	2.2		mg/kg	SW846 6010D
Magnesium	3430	550		mg/kg	SW846 6010D
Manganese	248	1.6		mg/kg	SW846 6010D
Mercury	0.16	0.031		mg/kg	SW846 7471B
Nickel	17.7	4.4		mg/kg	SW846 6010D
Vanadium	17.4	5.5		mg/kg	SW846 6010D
Zinc	115	5.5		mg/kg	SW846 6010D
JD35782-4A TT-SB-07-6.0-8.0					
No hits reported in this sample.					
JD35782-5 TT-SB-08-7.0-9.0					
Acetone	23.2	20	8.2	ug/kg	SW846 8260D
Carbon disulfide	1.9 J	4.0	1.1	ug/kg	SW846 8260D
Total TIC, Volatile	3960 J			ug/kg	
Acenaphthene	179	35	12	ug/kg	SW846 8270E
Anthracene	169	35	22	ug/kg	SW846 8270E
Benzo(a)anthracene	106	35	10	ug/kg	SW846 8270E
Benzo(a)pyrene	107	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	121	35	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	63.1	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	46.1	35	17	ug/kg	SW846 8270E
1,1'-Biphenyl	26.8 J	71	4.8	ug/kg	SW846 8270E
Chrysene	124	35	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	19.2 J	35	16	ug/kg	SW846 8270E
Dibenzofuran	173	71	14	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	111	71	8.3	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Fluoranthene		262	35	16	ug/kg	SW846 8270E
Fluorene		339	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		77.7	35	17	ug/kg	SW846 8270E
2-Methylnaphthalene		1050	35	8.0	ug/kg	SW846 8270E
Naphthalene		70.0	35	10	ug/kg	SW846 8270E
Phenanthrene		943	35	12	ug/kg	SW846 8270E
Pyrene		267	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		53900 J			ug/kg	
4,4'-DDE		0.82	0.66	0.58	ug/kg	SW846 8081B
Aluminum		8770	55		mg/kg	SW846 6010D
Barium		85.1	22		mg/kg	SW846 6010D
Beryllium		0.81	0.22		mg/kg	SW846 6010D
Calcium		30700	1100		mg/kg	SW846 6010D
Chromium		17.6	1.1		mg/kg	SW846 6010D
Cobalt		12.8	5.5		mg/kg	SW846 6010D
Copper		44.4	2.8		mg/kg	SW846 6010D
Iron		16800	55		mg/kg	SW846 6010D
Lead		31.8	2.2		mg/kg	SW846 6010D
Magnesium		17900	550		mg/kg	SW846 6010D
Manganese		313	1.7		mg/kg	SW846 6010D
Mercury		0.28	0.035		mg/kg	SW846 7471B
Nickel		23.6	4.4		mg/kg	SW846 6010D
Potassium		3080	1100		mg/kg	SW846 6010D
Vanadium		30.3	5.5		mg/kg	SW846 6010D
Zinc		230	5.5		mg/kg	SW846 6010D
JD35782-5A	**TT-SB-08-7.0-9.0**					
No hits reported in this sample.						
JD35782-6	**TT-SB-09-5.0-7.0**					
Acetone		22.6	9.1	3.8	ug/kg	SW846 8260D
Acenaphthene		39.8	37	13	ug/kg	SW846 8270E
Acenaphthylene		62.9	37	19	ug/kg	SW846 8270E
Anthracene		92.6	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		156	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		190	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		236	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		143	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		82.5	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		11.5 J	74	5.0	ug/kg	SW846 8270E
Carbazole		16.1 J	74	5.3	ug/kg	SW846 8270E
Chrysene		208	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		35.9 J	37	16	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Dibenzofuran	20.0 J	74	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	326	74	8.6	ug/kg	SW846 8270E
Fluoranthene	302	37	16	ug/kg	SW846 8270E
Fluorene	22.7 J	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	160	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene	16.6 J	37	8.3	ug/kg	SW846 8270E
Naphthalene	24.8 J	37	10	ug/kg	SW846 8270E
Phenanthrene	141	37	12	ug/kg	SW846 8270E
Pyrene	408	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	13700 J			ug/kg	
Aldrin [a]	0.96	0.72	0.59	ug/kg	SW846 8081B
alpha-Chlordane	6.8	0.72	0.58	ug/kg	SW846 8081B
gamma-Chlordane	6.8	0.72	0.33	ug/kg	SW846 8081B
Dieldrin [a]	0.90	0.72	0.49	ug/kg	SW846 8081B
4,4'-DDD	8.7	0.72	0.66	ug/kg	SW846 8081B
4,4'-DDE	3.7	0.72	0.63	ug/kg	SW846 8081B
4,4'-DDT	2.0	0.72	0.64	ug/kg	SW846 8081B
Heptachlor	0.94	0.72	0.62	ug/kg	SW846 8081B
Heptachlor epoxide [c]	1.8	0.72	0.50	ug/kg	SW846 8081B
Aluminum	7740	55		mg/kg	SW846 6010D
Arsenic	6.4	2.2		mg/kg	SW846 6010D
Barium	69.5	22		mg/kg	SW846 6010D
Beryllium	0.56	0.22		mg/kg	SW846 6010D
Calcium	21800	550		mg/kg	SW846 6010D
Chromium	15.5	1.1		mg/kg	SW846 6010D
Cobalt	6.0	5.5		mg/kg	SW846 6010D
Copper	36.2	2.8		mg/kg	SW846 6010D
Iron	13800	55		mg/kg	SW846 6010D
Lead	71.4	2.2		mg/kg	SW846 6010D
Magnesium	3030	550		mg/kg	SW846 6010D
Manganese	253	1.7		mg/kg	SW846 6010D
Mercury	0.15	0.037		mg/kg	SW846 7471B
Nickel	19.6	4.4		mg/kg	SW846 6010D
Potassium	1170	1100		mg/kg	SW846 6010D
Silver	0.87	0.55		mg/kg	SW846 6010D
Vanadium	24.2	5.5		mg/kg	SW846 6010D
Zinc	63.7	5.5		mg/kg	SW846 6010D
JD35782-6A TT-SB-09-5.0-7.0					
No hits reported in this sample.					
JD35782-7 TT-SB-10-7.0-9.0					
Acetone	22.6	15	6.0	ug/kg	SW846 8260D

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Benzene	2.5	0.73	0.66	ug/kg	SW846 8260D
Carbon disulfide	2.1 J	2.9	0.78	ug/kg	SW846 8260D
Toluene	1.5	1.5	0.76	ug/kg	SW846 8260D
Acenaphthene	107	38	13	ug/kg	SW846 8270E
Acenaphthylene	121	38	19	ug/kg	SW846 8270E
Anthracene	244	38	23	ug/kg	SW846 8270E
Benzo(a)anthracene	634	38	11	ug/kg	SW846 8270E
Benzo(a)pyrene	574	38	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene	698	38	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	316	38	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene	281	38	18	ug/kg	SW846 8270E
1,1'-Biphenyl	11.7 J	75	5.2	ug/kg	SW846 8270E
Carbazole	40.5 J	75	5.5	ug/kg	SW846 8270E
Chrysene	686	38	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	95.3	38	17	ug/kg	SW846 8270E
Dibenzofuran	85.5	75	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	160	75	8.8	ug/kg	SW846 8270E
Fluoranthene	1140	38	17	ug/kg	SW846 8270E
Fluorene	83.7	38	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	400	38	18	ug/kg	SW846 8270E
2-Methylnaphthalene	37.7 J	38	8.5	ug/kg	SW846 8270E
Naphthalene	106	38	11	ug/kg	SW846 8270E
Phenanthrene	539	38	13	ug/kg	SW846 8270E
Pyrene	1260	38	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	3920 J			ug/kg	
4,4'-DDD [a]	1.1	0.76	0.69	ug/kg	SW846 8081B
4,4'-DDE	2.2	0.76	0.66	ug/kg	SW846 8081B
4,4'-DDT [a]	0.86	0.76	0.67	ug/kg	SW846 8081B
Methoxychlor	4.1	1.5	0.60	ug/kg	SW846 8081B
Aluminum	9560	57		mg/kg	SW846 6010D
Arsenic	4.5	2.3		mg/kg	SW846 6010D
Barium	78.5	23		mg/kg	SW846 6010D
Beryllium	0.62	0.23		mg/kg	SW846 6010D
Cadmium	3.0	0.57		mg/kg	SW846 6010D
Calcium	30100	1100		mg/kg	SW846 6010D
Chromium	17.1	1.1		mg/kg	SW846 6010D
Cobalt	5.7	5.7		mg/kg	SW846 6010D
Copper	15.5	2.8		mg/kg	SW846 6010D
Iron	14700	57		mg/kg	SW846 6010D
Lead	73.3	2.3		mg/kg	SW846 6010D
Magnesium	8400	570		mg/kg	SW846 6010D
Manganese	390	1.7		mg/kg	SW846 6010D
Mercury	0.11	0.037		mg/kg	SW846 7471B
Nickel	21.7	4.5		mg/kg	SW846 6010D
Potassium	2370	1100		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35782
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/19/21 thru 11/23/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vanadium		22.7	5.7		mg/kg	SW846 6010D
Zinc		569	5.7		mg/kg	SW846 6010D
JD35782-7A	**TT-SB-10-7.0-9.0**					
Perfluorooctanesulfonic acid [d]		0.36 J	0.58	0.29	ug/kg	EPA 537M BY ID

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(d) Analysis performed at SGS Orlando, FL.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240192.D	1	11/29/21 16:26	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.8	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.46	ug/kg	
75-25-2	Bromoform	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	0.76	2.1	0.57	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane [a]	ND	5.4	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.56	ug/kg	
74-87-3	Chloromethane	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.70	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.90	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.4	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.94	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	2.8	ug/kg	
100-42-5	Styrene	ND	2.1	0.43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.64	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.62	ug/kg	
108-88-3	Toluene	ND	1.1	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.82	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	5.4	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.96	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		72-130%
17060-07-0	1,2-Dichloroethane-D4	99%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176763.D	1	12/03/21 06:37	CS	11/29/21 09:30	OP36836	EM7598
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	84	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	75	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	210	45	ug/kg	
95-48-7	2-Methylphenol	ND	84	27	ug/kg	
	3&4-Methylphenol	ND	84	35	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	210	28	ug/kg	
100-02-7	4-Nitrophenol	ND	420	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	84	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	237	42	15	ug/kg	
208-96-8	Acenaphthylene	178	42	21	ug/kg	
98-86-2	Acetophenone [a]	ND	210	9.1	ug/kg	
120-12-7	Anthracene	528	42	26	ug/kg	
1912-24-9	Atrazine [a]	ND	84	18	ug/kg	
56-55-3	Benzo(a)anthracene	1270	42	12	ug/kg	
50-32-8	Benzo(a)pyrene	1160	42	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	1370	42	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	690	42	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	571	42	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	10	ug/kg	
92-52-4	1,1'-Biphenyl	28.8	84	5.8	ug/kg	J
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	10	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	158	84	6.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	84	17	ug/kg	
218-01-9	Chrysene	1430	42	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	84	9.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	84	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	14	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	42	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	42	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	84	35	ug/kg	
123-91-1	1,4-Dioxane	ND	42	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	204	42	19	ug/kg	
132-64-9	Dibenzofuran	169	84	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	84	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	84	11	ug/kg	
84-66-2	Diethyl phthalate	ND	84	9.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	7.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	173	84	9.9	ug/kg	
206-44-0	Fluoranthene	2600	42	19	ug/kg	
86-73-7	Fluorene	269	42	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	84	11	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	42	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	420	17	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	881	42	20	ug/kg	
78-59-1	Isophorone	ND	84	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	76.1	42	9.5	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	210	10	ug/kg	
99-09-2	3-Nitroaniline	ND	210	11	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	201	42	12	ug/kg	
98-95-3	Nitrobenzene	ND	84	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	84	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	1720	42	14	ug/kg	
129-00-0	Pyrene	2790	42	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		10-105%
118-79-6	2,4,6-Tribromophenol	96%		10-135%
4165-60-0	Nitrobenzene-d5	75%		10-119%
321-60-8	2-Fluorobiphenyl	72%		18-112%
1718-51-0	Terphenyl-d14	79%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.30	1100	ug/kg	J
13798-23-7	Sulfur	8.42	230	ug/kg	JN
	unknown	10.27	310	ug/kg	J
	Phenanthrene methyl	11.60	310	ug/kg	J
	Phenanthrene methyl	11.65	350	ug/kg	J
	unknown	11.79	580	ug/kg	J
	Phenanthrene methyl	11.84	220	ug/kg	J
57-10-3	n-Hexadecanoic acid	11.96	610	ug/kg	JN
	unknown	12.21	380	ug/kg	J
	unknown	12.70	230	ug/kg	J
	unknown	13.15	430	ug/kg	J
	unknown	13.53	250	ug/kg	J
	Pyrene methyl	14.08	280	ug/kg	J
	Pyrene methyl	14.22	260	ug/kg	J
	unknown	14.92	260	ug/kg	J
	unknown	14.97	760	ug/kg	J
	unknown	15.09	210	ug/kg	J
	unknown	15.36	250	ug/kg	J
	alkane	17.17	340	ug/kg	J
	unknown PAH substance	17.96	410	ug/kg	J
	unknown PAH substance	18.24	940	ug/kg	J
	unknown	19.36	200	ug/kg	J
	alkane	19.46	230	ug/kg	J
	unknown	19.83	370	ug/kg	J
	unknown	19.96	210	ug/kg	J
	unknown PAH substance	20.81	250	ug/kg	J
	Total TIC, Semi-Volatile		8870	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105030.D	1	12/11/21 01:30	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	4.2	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		10-107%
321-60-8	2-Fluorobiphenyl	74%		17-91%
1718-51-0	Terphenyl-d14	66%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134389.D	4	12/04/21 02:11	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	81	36	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	16	9.2	ug/kg	
93-76-5	2,4,5-T	ND	16	8.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	9% [b]		10-125%
19719-28-9	2,4-DCAA	5% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171586.D	1	11/30/21 09:40	CP	11/27/21 10:05	OP36830	G1G5918
Run #2 [a]	1G171668.D	5	12/01/21 23:35	CP	11/27/21 10:05	OP36830	G1G5922

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2	15.5 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.84	0.70	ug/kg	
319-84-6	alpha-BHC	ND	0.84	0.69	ug/kg	
319-85-7	beta-BHC	ND	0.84	0.76	ug/kg	
319-86-8	delta-BHC	ND	0.84	0.81	ug/kg	
58-89-9	gamma-BHC (Lindane) [b]	2.8	0.84	0.62	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.84	0.68	ug/kg	
5103-74-2	gamma-Chlordane [b]	2.5	0.84	0.38	ug/kg	
60-57-1	Dieldrin	ND	0.84	0.58	ug/kg	
72-54-8	4,4'-DDD	20.2	0.84	0.78	ug/kg	
72-55-9	4,4'-DDE	5.8	0.84	0.74	ug/kg	
50-29-3	4,4'-DDT [b]	2.2	0.84	0.75	ug/kg	
72-20-8	Endrin	ND	0.84	0.66	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.84	0.66	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.84	0.48	ug/kg	
959-98-8	Endosulfan-I	ND	0.84	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	0.84	0.53	ug/kg	
76-44-8	Heptachlor	ND	0.84	0.73	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.84	0.59	ug/kg	
72-43-5	Methoxychlor	ND	1.7	0.67	ug/kg	
53494-70-5	Endrin ketone	ND	0.84	0.61	ug/kg	
8001-35-2	Toxaphene	ND	21	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%	71%	27-138%
877-09-8	Tetrachloro-m-xylene	65%	71%	27-138%
2051-24-3	Decachlorobiphenyl	82%	159%	10-179%
2051-24-3	Decachlorobiphenyl	133%	189% [c]	10-179%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475128.D	1	12/02/21 04:11	TL	11/27/21 10:05	OP36831	GXX7671
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	42	20	ug/kg	
11104-28-2	Aroclor 1221	ND	42	26	ug/kg	
11141-16-5	Aroclor 1232	ND	42	27	ug/kg	
53469-21-9	Aroclor 1242	ND	42	17	ug/kg	
12672-29-6	Aroclor 1248	ND	42	38	ug/kg	
11097-69-1	Aroclor 1254	ND	42	23	ug/kg	
11096-82-5	Aroclor 1260	ND	42	18	ug/kg	
11100-14-4	Aroclor 1268	ND	42	18	ug/kg	
37324-23-5	Aroclor 1262	ND	42	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		24-152%
877-09-8	Tetrachloro-m-xylene	83%		24-152%
2051-24-3	Decachlorobiphenyl	92%		10-172%
2051-24-3	Decachlorobiphenyl	85%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5910	44	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 1.7	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	4.7	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	658	17	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.44	0.17	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	0.54	0.44	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	24400	870	mg/kg	2	12/01/21	12/09/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	13.6	0.87	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	< 4.4	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	39.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	11400	44	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	363	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	4160	440	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	256	1.3	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.33	0.017	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	13.3	3.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	1110	870	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 1.7	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver	0.80	0.44	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Sodium	< 870	870	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 0.87	0.87	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	21.3	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	370	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Instrument QC Batch: MA51569
(4) Prep QC Batch: MP30055
(5) Prep QC Batch: MP30089

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.30	0.30	mg/kg	1	12/08/21 21:35	EB	SW846 9012B/LACHAT
Solids, Percent	76.4		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

4.2

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50964.D	1	12/21/21 12:14	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.3	0.49	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.64	0.32	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.64	0.32	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.64	0.32	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.64	0.32	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.64	0.32	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.64	0.32	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.64	0.32	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.64	0.32	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.64	0.34	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.64	0.32	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.64	0.32	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.64	0.32	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.64	0.32	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.64	0.32	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.64	0.32	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.64	0.32	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.3	0.64	ug/kg	
2991-50-6	EtFOSAA	ND	1.3	0.64	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.3	0.32	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.3	0.32	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-05-6.5-8.5		
Lab Sample ID:	JD35782-1A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	76.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	95%		40-140%
	13C5-PFPeA	97%		50-150%
	13C5-PFHxA	98%		50-150%
	13C4-PFHpA	98%		50-150%
	13C8-PFOA	98%		50-150%
	13C9-PFNA	99%		50-150%
	13C6-PFDA	100%		50-150%
	13C7-PFUnDA	91%		40-140%
	13C2-PFDoDA	81%		40-140%
	13C2-PFTeDA	94%		30-130%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	99%		50-150%
	13C8-PFOS	91%		50-150%
	13C8-FOSA	88%		30-130%
	d3-MeFOSAA	122%		40-140%
	d5-EtFOSAA	133%		40-140%
	13C2-6:2FTS	93%		50-150%
	13C2-8:2FTS	102%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240195.D	1	11/29/21 17:27	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20.7	9.3	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	1.2	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane [a]	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.48	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.84	ug/kg	
95-47-6	o-Xylene	0.51	0.93	0.43	ug/kg	J
1330-20-7	Xylene (total)	0.51	0.93	0.43	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		72-130%
17060-07-0	1,2-Dichloroethane-D4	97%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
91-20-3	Naphthalene	11.64	29	ug/kg	JN
91-57-6	Naphthalene, 2-methyl-	12.87	4.9	ug/kg	JN
	Total TIC, Volatile		33.9	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176765.D	1	12/03/21 07:39	CS	11/29/21 09:30	OP36836	EM7598
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	144	37	13	ug/kg	
208-96-8	Acenaphthylene	157	37	19	ug/kg	
98-86-2	Acetophenone [a]	ND	180	7.9	ug/kg	
120-12-7	Anthracene	360	37	23	ug/kg	
1912-24-9	Atrazine [a]	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	861	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	746	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	942	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	432	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	387	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	16.1	73	5.0	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	108	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	15	ug/kg	
218-01-9	Chrysene	926	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	139	37	16	ug/kg	
132-64-9	Dibenzofuran	87.5	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	1170	73	8.6	ug/kg	
206-44-0	Fluoranthene	1790	37	16	ug/kg	
86-73-7	Fluorene	175	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	558	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	40.5	37	8.3	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	93.3	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	1190	37	12	ug/kg	
129-00-0	Pyrene	1850	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	47%		10-105%
118-79-6	2,4,6-Tribromophenol	74%		10-135%
4165-60-0	Nitrobenzene-d5	61%		10-119%
321-60-8	2-Fluorobiphenyl	54%		18-112%
1718-51-0	Terphenyl-d14	58%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.30	160	ug/kg	J
13798-23-7	Sulfur	8.42	190	ug/kg	JN
	Phenanthrene methyl	11.60	210	ug/kg	J
	Phenanthrene methyl	11.65	260	ug/kg	J
	unknown	11.79	400	ug/kg	J
638-53-9	Tridecanoic acid	11.95	230	ug/kg	JN
	Naphthalene -phenyl	12.21	270	ug/kg	J
781-43-1	9,10-Dimethylanthracene	12.70	180	ug/kg	JN
	unknown	12.87	210	ug/kg	J
	unknown	13.14	300	ug/kg	J
	Pyrene methyl	14.08	230	ug/kg	J
	Pyrene methyl	14.22	200	ug/kg	J
	Pyrene methyl	14.27	160	ug/kg	J
	unknown	15.36	190	ug/kg	J
	alkane	17.17	220	ug/kg	J
	unknown PAH substance	17.96	290	ug/kg	J
	unknown PAH substance	18.24	570	ug/kg	J
	unknown	18.92	240	ug/kg	J
	unknown	20.82	170	ug/kg	J
	Total TIC, Semi-Volatile		4520	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105031.D	1	12/11/21 01:51	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-107%
321-60-8	2-Fluorobiphenyl	57%		17-91%
1718-51-0	Terphenyl-d14	49%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134390.D	4	12/04/21 02:38	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	69	31	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	14	7.8	ug/kg	
93-76-5	2,4,5-T	ND	14	6.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	7% [b]		10-125%
19719-28-9	2,4-DCAA	3% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171588.D	1	11/30/21 10:16	CP	11/27/21 10:05	OP36830	G1G5918
Run #2 [a]	1G171669.D	5	12/01/21 23:53	CP	11/27/21 10:05	OP36830	G1G5922

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [b]	1.5	0.76	0.63	ug/kg	
319-84-6	alpha-BHC	ND	0.76	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.69	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane) [b]	7.9	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	6.9	0.76	0.61	ug/kg	
5103-74-2	gamma-Chlordane [b]	4.9	0.76	0.34	ug/kg	
60-57-1	Dieldrin [b]	1.6	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD	29.5	0.76	0.70	ug/kg	
72-55-9	4,4'-DDE	9.0	0.76	0.67	ug/kg	
50-29-3	4,4'-DDT [b]	4.5	0.76	0.67	ug/kg	
72-20-8	Endrin [b]	0.92	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	4.8	0.76	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.66	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.76	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	107%	27-138%
877-09-8	Tetrachloro-m-xylene	80%	86%	27-138%
2051-24-3	Decachlorobiphenyl	88%	173%	10-179%
2051-24-3	Decachlorobiphenyl	278% [c]	275% [c]	10-179%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475129.D	1	12/02/21 04:29	TL	11/27/21 10:05	OP36831	GXX7671
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	104%		10-172%
2051-24-3	Decachlorobiphenyl	106%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5420	56	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	4.3	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	812	22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.43	0.22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	0.65	0.56	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	32000	1100	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	12.4	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	< 5.6	5.6	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	29.2	2.8	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	11100	56	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	337	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	3740	560	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	255	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.34	0.030	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	12.5	4.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver [a]	< 1.1	1.1	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	20.4	5.6	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	422	5.6	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Instrument QC Batch: MA51586
(4) Prep QC Batch: MP30055
(5) Prep QC Batch: MP30089

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.28	0.28	mg/kg	1	12/08/21 21:37	EB	SW846 9012B/LACHAT
Solids, Percent	86.4		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50965.D	1	12/21/21 12:30	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	S DUP-01		
Lab Sample ID:	JD35782-2A	**Date Sampled:**	11/19/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	71%		40-140%
	13C5-PFPeA	73%		50-150%
	13C5-PFHxA	74%		50-150%
	13C4-PFHpA	74%		50-150%
	13C8-PFOA	73%		50-150%
	13C9-PFNA	74%		50-150%
	13C6-PFDA	76%		50-150%
	13C7-PFUnDA	74%		40-140%
	13C2-PFDoDA	62%		40-140%
	13C2-PFTeDA	71%		30-130%
	13C3-PFBS	73%		50-150%
	13C3-PFHxS	73%		50-150%
	13C8-PFOS	69%		50-150%
	13C8-FOSA	57%		30-130%
	d3-MeFOSAA	90%		40-140%
	d5-EtFOSAA	98%		40-140%
	13C2-6:2FTS	71%		50-150%
	13C2-8:2FTS	78%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240193.D	1	11/29/21 16:46	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.2	8.6	3.5	ug/kg	
71-43-2	Benzene	ND	0.43	0.39	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.37	ug/kg	
75-25-2	Bromoform	ND	4.3	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.3	0.65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.6	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.46	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.53	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.39	ug/kg	
75-00-3	Chloroethane [a]	ND	4.3	0.51	ug/kg	
67-66-3	Chloroform	ND	1.7	0.44	ug/kg	
74-87-3	Chloromethane	ND	4.3	1.7	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.56	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.48	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.86	0.36	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	0.86	0.47	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	0.86	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.86	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	0.62	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.86	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.86	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.86	0.56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.86	0.72	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.86	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.39	ug/kg	
100-41-4	Ethylbenzene	ND	0.86	0.39	ug/kg	
76-13-1	Freon 113	ND	4.3	2.3	ug/kg	
591-78-6	2-Hexanone	ND	4.3	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.3	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.75	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.86	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	4.3	2.2	ug/kg	
100-42-5	Styrene	ND	1.7	0.34	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.51	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.50	ug/kg	
108-88-3	Toluene	ND	0.86	0.45	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.41	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.47	ug/kg	
79-01-6	Trichloroethene	ND	0.86	0.65	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	4.3	0.59	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.41	ug/kg	
	m,p-Xylene	ND	0.86	0.77	ug/kg	
95-47-6	o-Xylene	ND	0.86	0.39	ug/kg	
1330-20-7	Xylene (total)	ND	0.86	0.39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		72-130%
17060-07-0	1,2-Dichloroethane-D4	97%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176757.D	1	12/03/21 03:40	CS	11/29/21 09:30	OP36836	EM7598
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	13	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone [a]	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine [a]	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	33.5	36	10	ug/kg	J
50-32-8	Benzo(a)pyrene	40.0	36	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	44.6	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22.2	36	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	20.1	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	30.8	36	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	52.6	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	28.7	36	17	ug/kg	J
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	17.2	36	12	ug/kg	J
129-00-0	Pyrene	59.8	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-109%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	49%		10-105%
118-79-6	2,4,6-Tribromophenol	84%		10-135%
4165-60-0	Nitrobenzene-d5	61%		10-119%
321-60-8	2-Fluorobiphenyl	58%		18-112%
1718-51-0	Terphenyl-d14	65%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	14.96	160	ug/kg	J
	Total TIC, Semi-Volatile		160	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105029.D	1	12/11/21 01:10	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-107%
321-60-8	2-Fluorobiphenyl	61%		17-91%
1718-51-0	Terphenyl-d14	68%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134361.D	1	12/02/21 06:20	RK	11/30/21 09:50	OP36859	G3G4901
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.1	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	2.1	ug/kg	
93-76-5	2,4,5-T [a]	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	16%		10-125%
19719-28-9	2,4-DCAA	18%		10-125%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171587.D	1	11/30/21 09:58	CP	11/27/21 10:05	OP36830	G1G5918
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		27-138%
877-09-8	Tetrachloro-m-xylene	66%		27-138%
2051-24-3	Decachlorobiphenyl	60%		10-179%
2051-24-3	Decachlorobiphenyl	77%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475134.D	1	12/02/21 05:56	TL	11/27/21 10:05	OP36831	GXX7671
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		24-152%
877-09-8	Tetrachloro-m-xylene	77%		24-152%
2051-24-3	Decachlorobiphenyl	79%		10-172%
2051-24-3	Decachlorobiphenyl	71%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4600	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	37.1	22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.53	0.22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	2290	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	11.7	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.5	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.5	2.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	8890	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	15.8	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2240	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	170	1.6	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.070	0.031	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	16.9	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	17.0	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	32.4	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Prep QC Batch: MP30055
(4) Prep QC Batch: MP30089

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.22	0.22	mg/kg	1	12/08/21 21:41	EB	SW846 9012B/LACHAT
Solids, Percent	89.8		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50786.D	1	12/18/21 13:56	AFL	12/10/21 15:00	F:OP88771	F:S3Q712
Run #2							

	Initial Weight	Final Volume
Run #1	2.10 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.40	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06-5.0-7.0		
Lab Sample ID:	JD35782-3A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.6

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	95%		40-140%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	101%		50-150%
	13C4-PFHpA	103%		50-150%
	13C8-PFOA	102%		50-150%
	13C9-PFNA	103%		50-150%
	13C6-PFDA	109%		50-150%
	13C7-PFUnDA	107%		40-140%
	13C2-PFDoDA	112%		40-140%
	13C2-PFTeDA	117%		30-130%
	13C3-PFBS	99%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	100%		50-150%
	13C8-FOSA	68%		30-130%
	d3-MeFOSAA	126%		40-140%
	d5-EtFOSAA	127%		40-140%
	13C2-6:2FTS	97%		50-150%
	13C2-8:2FTS	100%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240194.D	1	11/29/21 17:07	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.9	11	4.4	ug/kg	J
71-43-2	Benzene	3.8	0.53	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.46	ug/kg	
75-25-2	Bromoform	ND	5.3	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.81	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	0.68	2.1	0.57	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane [a]	ND	5.3	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.55	ug/kg	
74-87-3	Chloromethane	ND	5.3	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.70	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	0.77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.89	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.48	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.3	2.3	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.3	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.93	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.3	2.8	ug/kg	
100-42-5	Styrene	ND	2.1	0.43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.64	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.62	ug/kg	
108-88-3	Toluene	1.5	1.1	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.81	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	5.3	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.51	ug/kg	
	m,p-Xylene	ND	1.1	0.95	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		72-130%
17060-07-0	1,2-Dichloroethane-D4	95%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176767.D	1	12/03/21 08:37	CS	11/29/21 09:30	OP36836	EM7598
Run #2	M176785.D	2	12/04/21 06:21	CS	11/29/21 09:30	OP36836	EM7599

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.1 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	307	37	13	ug/kg	
208-96-8	Acenaphthylene	203	37	19	ug/kg	
98-86-2	Acetophenone [b]	23.5	190	8.1	ug/kg	J
120-12-7	Anthracene	790	37	23	ug/kg	
1912-24-9	Atrazine [a]	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	2120	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	1850	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	2370	37	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1050	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	902	37	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	37.9	75	5.1	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	273	75	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-07-6.0-8.0
Lab Sample ID: JD35782-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/22/21
Date Received: 11/23/21
Percent Solids: 88.6

4.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	15	ug/kg	
218-01-9	Chrysene	2330	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	338	37	17	ug/kg	
132-64-9	Dibenzofuran	223	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	173	75	8.8	ug/kg	
206-44-0	Fluoranthene	3770 [c]	75	33	ug/kg	
86-73-7	Fluorene	243	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.5	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1350	37	18	ug/kg	
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	139	37	8.5	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.4	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	245	37	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	2680	37	13	ug/kg	
129-00-0	Pyrene	3930 [c]	75	24	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%	51%	10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%	56%	10-105%
118-79-6	2,4,6-Tribromophenol	77%	77%	10-135%
4165-60-0	Nitrobenzene-d5	74%	67%	10-119%
321-60-8	2-Fluorobiphenyl	63%	64%	18-112%
1718-51-0	Terphenyl-d14	68%	63%	18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.30	1200	ug/kg	J
	C3 alkyl benzene	4.43	250	ug/kg	J
132-65-0	Dibenzothiophene	10.42	210	ug/kg	JN
	Phenanthrene methyl	11.61	490	ug/kg	J
	Phenanthrene methyl	11.65	610	ug/kg	J
	Anthracene methyl	11.74	240	ug/kg	J
	unknown	11.79	810	ug/kg	J
	Anthracene methyl	11.85	390	ug/kg	J
	Naphthalene phenyl	12.22	660	ug/kg	J
	Phenanthrene dimethyl	12.71	420	ug/kg	J
	Phenanthrene dimethyl	12.76	420	ug/kg	J
	Phenanthrene dimethyl	12.82	420	ug/kg	J
	Phenanthrene dimethyl	12.88	510	ug/kg	J
	unknown	13.07	260	ug/kg	J
	Pyrene methyl	14.09	280	ug/kg	J
	Pyrene methyl	14.22	230	ug/kg	J
	unknown	15.10	210	ug/kg	J
	Benzo[b]naphtho[-d]thiophene	15.30	210	ug/kg	J
	unknown	15.37	290	ug/kg	J
	alkane	17.18	450	ug/kg	J
	unknown PAH substance	17.97	620	ug/kg	J
	unknown PAH substance	18.26	1400	ug/kg	J
	unknown	19.37	300	ug/kg	J
	unknown	19.84	580	ug/kg	J
	unknown	19.98	270	ug/kg	J
	Total TIC, Semi-Volatile		10530	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105032.D	1	12/11/21 02:11	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-107%
321-60-8	2-Fluorobiphenyl	49%		17-91%
1718-51-0	Terphenyl-d14	39%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134391.D	4	12/04/21 03:06	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	74	33	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	15	8.4	ug/kg	
93-76-5	2,4,5-T	ND	15	7.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	10%		10-125%
19719-28-9	2,4-DCAA	4% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171589.D	1	11/30/21 10:34	CP	11/27/21 10:05	OP36830	G1G5918
Run #2 [a]	1G171670.D	5	12/02/21 00:11	CP	11/27/21 10:05	OP36830	G1G5922

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2	16.2 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [b]	2.1	0.70	0.57	ug/kg	
319-84-6	alpha-BHC [b]	1.1	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane) [b]	9.5	0.70	0.51	ug/kg	
5103-71-9	alpha-Chlordane	21.3	0.70	0.56	ug/kg	
5103-74-2	gamma-Chlordane	23.5	0.70	0.32	ug/kg	
60-57-1	Dieldrin [b]	1.0	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD [b]	5.7	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	4.1	0.70	0.61	ug/kg	
50-29-3	4,4'-DDT [b]	4.2	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	1.5	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone [b]	3.3	0.70	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	79%	27-138%
877-09-8	Tetrachloro-m-xylene	72%	76%	27-138%
2051-24-3	Decachlorobiphenyl	104%	117%	10-179%
2051-24-3	Decachlorobiphenyl	259% [c]	303% [c]	10-179%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475135.D	1	12/02/21 06:13	TL	11/27/21 10:05	OP36831	GXX7671
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		24-152%
877-09-8	Tetrachloro-m-xylene	82%		24-152%
2051-24-3	Decachlorobiphenyl	96%		10-172%
2051-24-3	Decachlorobiphenyl	86%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4920	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	5.7	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	92.5	22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.44	0.22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	< 0.55	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	65100	2700	mg/kg	5	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	10.5	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	< 5.5	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	32.7	2.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	17000	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	169	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	3430	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	248	1.6	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.16	0.031	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.7	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver [a]	< 2.7	2.7	mg/kg	5	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	17.4	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	115	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Instrument QC Batch: MA51586
(4) Prep QC Batch: MP30055
(5) Prep QC Batch: MP30089

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.23	0.23	mg/kg	1	12/08/21 21:42	EB	SW846 9012B/LACHAT
Solids, Percent	88.6		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

4.8

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50937.D	1	12/21/21 04:44	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-07-6.0-8.0		
Lab Sample ID:	JD35782-4A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		40-140%
	13C5-PFPeA	82%		50-150%
	13C5-PFHxA	82%		50-150%
	13C4-PFHpA	82%		50-150%
	13C8-PFOA	83%		50-150%
	13C9-PFNA	85%		50-150%
	13C6-PFDA	86%		50-150%
	13C7-PFUnDA	79%		40-140%
	13C2-PFDoDA	72%		40-140%
	13C2-PFTeDA	79%		30-130%
	13C3-PFBS	81%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	80%		50-150%
	13C8-FOSA	64%		30-130%
	d3-MeFOSAA	92%		40-140%
	d5-EtFOSAA	104%		40-140%
	13C2-6:2FTS	79%		50-150%
	13C2-8:2FTS	86%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240196.D	1	11/29/21 17:47	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	2.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.2	20	8.2	ug/kg	
71-43-2	Benzene	ND	0.99	0.90	ug/kg	
74-97-5	Bromochloromethane	ND	9.9	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	4.0	0.85	ug/kg	
75-25-2	Bromoform	ND	9.9	2.7	ug/kg	
74-83-9	Bromomethane	ND	9.9	1.5	ug/kg	
78-93-3	2-Butanone (MEK)	ND	20	4.8	ug/kg	
75-15-0	Carbon disulfide	1.9	4.0	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	4.0	0.91	ug/kg	
75-00-3	Chloroethane [a]	ND	9.9	1.2	ug/kg	
67-66-3	Chloroform	ND	4.0	1.0	ug/kg	
74-87-3	Chloromethane	ND	9.9	3.9	ug/kg	
110-82-7	Cyclohexane	ND	4.0	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.4	ug/kg	
124-48-1	Dibromochloromethane	ND	4.0	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.83	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	2.0	1.1	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	2.0	0.98	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.98	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	9.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.98	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.93	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.0	1.3	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.0	0.93	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	0.94	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	0.90	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.90	ug/kg	
76-13-1	Freon 113	ND	9.9	5.3	ug/kg	
591-78-6	2-Hexanone	ND	9.9	4.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-08-7.0-9.0
Lab Sample ID: JD35782-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/22/21
Date Received: 11/23/21
Percent Solids: 93.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	4.0	2.8	ug/kg	
79-20-9	Methyl Acetate	ND	9.9	2.7	ug/kg	
108-87-2	Methylcyclohexane	ND	4.0	1.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.93	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	9.9	4.5	ug/kg	
75-09-2	Methylene chloride	ND	9.9	5.2	ug/kg	
100-42-5	Styrene	ND	4.0	0.79	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	1.2	ug/kg	
127-18-4	Tetrachloroethene	ND	4.0	1.1	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	9.9	4.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	9.9	4.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.0	0.95	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.0	1.1	ug/kg	
79-01-6	Trichloroethene	ND	2.0	1.5	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	9.9	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	4.0	0.95	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.91	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.91	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	98%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	10.54	210	ug/kg	J
	Naphthalene, decahydro-methyl- isomer	10.59	170	ug/kg	J
	Naphthalene, decahydro-methyl- isomer	10.76	210	ug/kg	J
	C4 alkyl benzene	10.95	380	ug/kg	J
	1H-Indene-dihydro-methyl- isomer	10.99	250	ug/kg	J
	C5 alkyl benzene	11.22	350	ug/kg	J
	unknown	11.31	250	ug/kg	J
	alkane	11.46	450	ug/kg	J
	C5 alkyl benzene	11.52	170	ug/kg	J
	Naphthalene, tetrahydro-methyl- isomer	11.69	300	ug/kg	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.9

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	11.79	290	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	11.93	240	ug/kg	J
	cycloalkane	12.54	290	ug/kg	J
91-57-6	Naphthalene, 2-methyl-	12.87	190	ug/kg	JN
	Naphthalene, methyl- isomer	13.12	210	ug/kg	J
	Total TIC, Volatile		3960	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-08-7.0-9.0
Lab Sample ID: JD35782-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/22/21
Date Received: 11/23/21
Percent Solids: 93.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176760.D	1	12/03/21 05:08	CS	11/29/21 09:30	OP36836	EM7598
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	179	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone [a]	ND	180	7.6	ug/kg	
120-12-7	Anthracene	169	35	22	ug/kg	
1912-24-9	Atrazine [a]	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	106	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	107	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	121	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	63.1	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	46.1	35	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	26.8	71	4.8	ug/kg	J
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	124	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	19.2	35	16	ug/kg	J
132-64-9	Dibenzofuran	173	71	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	111	71	8.3	ug/kg	
206-44-0	Fluoranthene	262	35	16	ug/kg	
86-73-7	Fluorene	339	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	8.9	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	77.7	35	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	1050	35	8.0	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	70.0	35	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	943	35	12	ug/kg	
129-00-0	Pyrene	267	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		10-105%
118-79-6	2,4,6-Tribromophenol	73%		10-135%
4165-60-0	Nitrobenzene-d5	84%		10-119%
321-60-8	2-Fluorobiphenyl	59%		18-112%
1718-51-0	Terphenyl-d14	57%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene decahydro-methyl	5.31	1100	ug/kg	J
	Cyclohexane alkyl	6.00	1100	ug/kg	J
	alkane	6.16	2800	ug/kg	J
	alkane	6.38	1000	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	6.62	1100	ug/kg	JN
	unknown	7.08	1000	ug/kg	J
	Naphthalene ethyl	7.26	1900	ug/kg	J
	Naphthalene dimethyl	7.38	2100	ug/kg	J
	Naphthalene dimethyl	7.48	3100	ug/kg	J
	Naphthalene dimethyl	7.53	2000	ug/kg	J
	unknown	7.55	1500	ug/kg	J
	Cyclohexane alkyl	7.63	1300	ug/kg	J
	alkane	7.67	5100	ug/kg	J
	Naphthalene dimethyl	7.78	1500	ug/kg	J
	unknown	7.86	2700	ug/kg	J
	Naphthalene trimethyl	8.19	1500	ug/kg	J
	Naphthalene trimethyl	8.27	1000	ug/kg	J
	Naphthalene trimethyl	8.43	1500	ug/kg	J
	Naphthalene trimethyl	8.56	3100	ug/kg	J
	alkane	9.30	4300	ug/kg	J
	Cyclohexane alkyl	9.45	2000	ug/kg	J
	unknown	9.62	1400	ug/kg	J
	alkane	9.81	7300	ug/kg	J
	9H-Fluorene methyl	9.98	1200	ug/kg	J
	alkane	10.20	1300	ug/kg	J
	Total TIC, Semi-Volatile		53900	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105033.D	1	12/11/21 02:32	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.5	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		10-107%
321-60-8	2-Fluorobiphenyl	65%		17-91%
1718-51-0	Terphenyl-d14	63%		17-105%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134392.D	4	12/04/21 03:33	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	69	31	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	14	7.8	ug/kg	
93-76-5	2,4,5-T	ND	14	6.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	7% [b]		10-125%
19719-28-9	2,4-DCAA	7% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171590.D	1	11/30/21 10:53	CP	11/27/21 10:05	OP36830	G1G5918
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.66	0.53	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.66	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.60	ug/kg	
72-55-9	4,4'-DDE	0.82	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.58	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.66	0.48	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		27-138%
877-09-8	Tetrachloro-m-xylene	68%		27-138%
2051-24-3	Decachlorobiphenyl	81%		10-179%
2051-24-3	Decachlorobiphenyl	98%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475289.D	1	12/07/21 03:27	TL	11/27/21 10:05	OP36831	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		24-152%
877-09-8	Tetrachloro-m-xylene	78%		24-152%
2051-24-3	Decachlorobiphenyl	76%		10-172%
2051-24-3	Decachlorobiphenyl	85%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8770	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	85.1	22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.81	0.22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	< 0.55	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	30700	1100	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	17.6	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	12.8	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	44.4	2.8	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	16800	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	31.8	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	17900	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	313	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.28	0.035	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	23.6	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	3080	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver [a]	< 1.1	1.1	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	30.3	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	230	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Instrument QC Batch: MA51586
(4) Prep QC Batch: MP30055
(5) Prep QC Batch: MP30089

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.21	0.21	mg/kg	1	12/08/21 21:43	EB	SW846 9012B/LACHAT
Solids, Percent	93.7		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50966.D	1	12/21/21 12:47	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-08-7.0-9.0		
Lab Sample ID:	JD35782-5A	**Date Sampled:**	11/22/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	92%		40-140%
	13C5-PFPeA	93%		50-150%
	13C5-PFHxA	94%		50-150%
	13C4-PFHpA	97%		50-150%
	13C8-PFOA	96%		50-150%
	13C9-PFNA	98%		50-150%
	13C6-PFDA	100%		50-150%
	13C7-PFUnDA	96%		40-140%
	13C2-PFDoDA	85%		40-140%
	13C2-PFTeDA	91%		30-130%
	13C3-PFBS	94%		50-150%
	13C3-PFHxS	95%		50-150%
	13C8-PFOS	92%		50-150%
	13C8-FOSA	102%		30-130%
	d3-MeFOSAA	114%		40-140%
	d5-EtFOSAA	125%		40-140%
	13C2-6:2FTS	91%		50-150%
	13C2-8:2FTS	99%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240188.D	1	11/29/21 15:05	PS	11/24/21 08:00	n/a	VI9766
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	22.6	9.1	3.8	ug/kg	
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.69	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.1	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane [a]	ND	4.5	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene [b]	ND	0.91	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene [b]	ND	0.91	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.66	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.76	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.53	ug/kg	
108-88-3	Toluene	ND	0.91	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.91	0.69	ug/kg	
75-69-4	Trichlorofluoromethane [c]	ND	4.5	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.91	0.81	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	98%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-09-5.0-7.0
Lab Sample ID: JD35782-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/23/21
Date Received: 11/23/21
Percent Solids: 90.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176723.D	1	12/02/21 00:38	KLS	11/29/21 09:30	OP36836	EM7596
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol [b]	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	39.8	37	13	ug/kg	
208-96-8	Acenaphthylene	62.9	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	92.6	37	23	ug/kg	
1912-24-9	Atrazine [a]	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	156	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	190	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	236	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	143	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	82.5	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	11.5	74	5.0	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	16.1	74	5.3	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	208	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	35.9	37	16	ug/kg	J
132-64-9	Dibenzofuran	20.0	74	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	326	74	8.6	ug/kg	
206-44-0	Fluoranthene	302	37	16	ug/kg	
86-73-7	Fluorene	22.7	37	17	ug/kg	J
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	160	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	16.6	37	8.3	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	24.8	37	10	ug/kg	J
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	141	37	12	ug/kg	
129-00-0	Pyrene	408	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		10-105%
118-79-6	2,4,6-Tribromophenol	100%		10-135%
4165-60-0	Nitrobenzene-d5	81%		10-119%
321-60-8	2-Fluorobiphenyl	83%		18-112%
1718-51-0	Terphenyl-d14	71%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	6.17	410	ug/kg	J
	Unknown	7.55	670	ug/kg	J
	Cyclohexane alkyl	7.64	350	ug/kg	J
	Alkane	7.68	500	ug/kg	J
	Unknown	7.87	1000	ug/kg	J
	Alkane	8.57	940	ug/kg	J
	Unknown	9.06	310	ug/kg	J
	Alkane	9.30	680	ug/kg	J
	Cyclohexane alkyl	9.46	390	ug/kg	J
	Naphthalene tetramethyl	9.64	440	ug/kg	J
	Alkane	9.80	1700	ug/kg	J
	Unknown	9.99	330	ug/kg	J
	Alkane	10.21	340	ug/kg	J
	Alkane	11.39	490	ug/kg	J
	Alkane	11.49	430	ug/kg	J
	Alkane	12.31	310	ug/kg	J
	Alkane	13.08	410	ug/kg	J
	Unknown	14.11	280	ug/kg	J
	Alkane	16.57	440	ug/kg	J
	Unknown	19.17	370	ug/kg	J
	Unknown	19.28	290	ug/kg	J
	Unknown	19.38	690	ug/kg	J
	Unknown	19.77	700	ug/kg	J
	Unknown	19.86	890	ug/kg	J
	Unknown	20.48	340	ug/kg	J
	Total TIC, Semi-Volatile		13700	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105034.D	1	12/11/21 02:52	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		10-107%
321-60-8	2-Fluorobiphenyl	68%		17-91%
1718-51-0	Terphenyl-d14	71%		17-105%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134393.D	4	12/04/21 04:01	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	72	32	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	14	8.2	ug/kg	
93-76-5	2,4,5-T	ND	14	7.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	10%		10-125%
19719-28-9	2,4-DCAA	8% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171591.D	1	11/30/21 11:11	CP	11/27/21 10:05	OP36830	G1G5918
Run #2 [a]	1G171671.D	5	12/02/21 00:29	CP	11/27/21 10:05	OP36830	G1G5922

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [b]	0.96	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.58	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	6.8	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	6.8	0.72	0.33	ug/kg	
60-57-1	Dieldrin [b]	0.90	0.72	0.49	ug/kg	
72-54-8	4,4'-DDD	8.7	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	3.7	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	2.0	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	0.94	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide [c]	1.8	0.72	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%	80%	27-138%
877-09-8	Tetrachloro-m-xylene	82%	81%	27-138%
2051-24-3	Decachlorobiphenyl	76%	123%	10-179%
2051-24-3	Decachlorobiphenyl	112%	111%	10-179%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it

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Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475290.D	1	12/07/21 03:45	TL	11/27/21 10:05	OP36831	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		24-152%
877-09-8	Tetrachloro-m-xylene	77%		24-152%
2051-24-3	Decachlorobiphenyl	74%		10-172%
2051-24-3	Decachlorobiphenyl	95%		10-172%

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Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7740	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	6.4	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	69.5	22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.56	0.22	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	21800	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	15.5	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.0	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	36.2	2.8	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	13800	55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	71.4	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3030	550	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	253	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.15	0.037	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	19.6	4.4	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1170	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.87	0.55	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	24.2	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	63.7	5.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Prep QC Batch: MP30055
(4) Prep QC Batch: MP30089

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.22	0.22	mg/kg	1	12/08/21 21:16	EB	SW846 9012B/LACHAT
Solids, Percent	90.3		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50967.D	1	12/21/21 13:03	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.10 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.40	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.26	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.26	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.26	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.26	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.26	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.26	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.26	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.26	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.26	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.26	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.26	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.26	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.26	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-09-5.0-7.0		
Lab Sample ID:	JD35782-6A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	95%		40-140%
	13C5-PFPeA	97%		50-150%
	13C5-PFHxA	97%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	99%		50-150%
	13C9-PFNA	100%		50-150%
	13C6-PFDA	102%		50-150%
	13C7-PFUnDA	99%		40-140%
	13C2-PFDoDA	83%		40-140%
	13C2-PFTeDA	85%		30-130%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	99%		50-150%
	13C8-PFOS	97%		50-150%
	13C8-FOSA	104%		30-130%
	d3-MeFOSAA	117%		40-140%
	d5-EtFOSAA	129%		40-140%
	13C2-6:2FTS	95%		50-150%
	13C2-8:2FTS	106%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240236.D	1	11/30/21 18:46	PS	11/24/21 08:00	n/a	VI9767
Run #2							

	Initial Weight
Run #1	4.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	22.6	15	6.0	ug/kg	
71-43-2	Benzene	2.5	0.73	0.66	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	0.81	ug/kg	
75-27-4	Bromodichloromethane	ND	2.9	0.62	ug/kg	
75-25-2	Bromoform	ND	7.3	2.0	ug/kg	
74-83-9	Bromomethane	ND	7.3	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.5	ug/kg	
75-15-0	Carbon disulfide	2.1	2.9	0.78	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.9	0.90	ug/kg	
108-90-7	Chlorobenzene	ND	2.9	0.67	ug/kg	
75-00-3	Chloroethane	ND	7.3	0.86	ug/kg	
67-66-3	Chloroform	ND	2.9	0.76	ug/kg	
74-87-3	Chloromethane	ND	7.3	2.9	ug/kg	
110-82-7	Cyclohexane	ND	2.9	0.96	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	2.9	0.81	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.61	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.79	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.72	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.72	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.72	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.68	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	0.95	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.89	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.9	0.69	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.9	0.69	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.9	0.67	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.66	ug/kg	
76-13-1	Freon 113	ND	7.3	3.9	ug/kg	
591-78-6	2-Hexanone	ND	7.3	3.1	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.9	2.1	ug/kg	
79-20-9	Methyl Acetate	ND	7.3	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.9	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.68	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.3	3.3	ug/kg	
75-09-2	Methylene chloride	ND	7.3	3.8	ug/kg	
100-42-5	Styrene	ND	2.9	0.58	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.9	0.87	ug/kg	
127-18-4	Tetrachloroethene	ND	2.9	0.84	ug/kg	
108-88-3	Toluene	1.5	1.5	0.76	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	3.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	3.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.9	0.70	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.9	0.81	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	2.9	0.70	ug/kg	
	m,p-Xylene	ND	1.5	1.3	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	106%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176766.D	1	12/03/21 08:08	CS	11/29/21 09:30	OP36836	EM7598
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	107	38	13	ug/kg	
208-96-8	Acenaphthylene	121	38	19	ug/kg	
98-86-2	Acetophenone [a]	ND	190	8.1	ug/kg	
120-12-7	Anthracene	244	38	23	ug/kg	
1912-24-9	Atrazine [a]	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	634	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	574	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	698	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	316	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	281	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.2	ug/kg	
92-52-4	1,1'-Biphenyl	11.7	75	5.2	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	9.0	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	40.5	75	5.5	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	15	ug/kg	
218-01-9	Chrysene	686	38	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	95.3	38	17	ug/kg	
132-64-9	Dibenzofuran	85.5	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	9.4	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	160	75	8.8	ug/kg	
206-44-0	Fluoranthene	1140	38	17	ug/kg	
86-73-7	Fluorene	83.7	38	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.5	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	400	38	18	ug/kg	
78-59-1	Isophorone	ND	75	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	37.7	38	8.5	ug/kg	J
88-74-4	2-Nitroaniline [a]	ND	190	8.9	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.4	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.8	ug/kg	
91-20-3	Naphthalene	106	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	539	38	13	ug/kg	
129-00-0	Pyrene	1260	38	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	52%		10-105%
118-79-6	2,4,6-Tribromophenol	59%		10-135%
4165-60-0	Nitrobenzene-d5	70%		10-119%
321-60-8	2-Fluorobiphenyl	60%		18-112%
1718-51-0	Terphenyl-d14	65%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.30	1500	ug/kg	J
	Naphthalene dimethyl	7.65	170	ug/kg	J
	Phenanthrene methyl	11.65	180	ug/kg	J
	unknown	11.79	240	ug/kg	J
	Phenanthrene methyl	11.84	150	ug/kg	J
	unknown	12.71	210	ug/kg	J
	unknown	13.14	270	ug/kg	J
	Pyrene methyl	14.08	170	ug/kg	J
	Pyrene methyl	14.22	180	ug/kg	J
	unknown	14.66	240	ug/kg	J
	unknown	14.98	370	ug/kg	J
	unknown	15.37	170	ug/kg	J
	alkane	17.18	190	ug/kg	J
	unknown PAH substance	17.97	240	ug/kg	J
	unknown PAH substance	18.25	480	ug/kg	J
	unknown	19.36	250	ug/kg	J
	unknown	19.84	410	ug/kg	J
	Total TIC, Semi-Volatile		3920	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105035.D	1	12/11/21 03:13	KLS	11/29/21 09:30	OP36836A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		10-107%
321-60-8	2-Fluorobiphenyl	63%		17-91%
1718-51-0	Terphenyl-d14	63%		17-105%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134400.D	4	12/04/21 07:12	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	74	33	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	15	8.4	ug/kg	
93-76-5	2,4,5-T	ND	15	7.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	8% [b]		10-125%
19719-28-9	2,4-DCAA	5% [b]		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171601.D	1	11/30/21 17:30	KS	11/27/21 10:05	OP36830	G1G5919
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.76	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.76	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.76	0.61	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.76	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD [a]	1.1	0.76	0.69	ug/kg	
72-55-9	4,4'-DDE	2.2	0.76	0.66	ug/kg	
50-29-3	4,4'-DDT [a]	0.86	0.76	0.67	ug/kg	
72-20-8	Endrin	ND	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.76	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.76	0.53	ug/kg	
72-43-5	Methoxychlor	4.1	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		27-138%
877-09-8	Tetrachloro-m-xylene	73%		27-138%
2051-24-3	Decachlorobiphenyl	70%		10-179%
2051-24-3	Decachlorobiphenyl	135%		10-179%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475140.D	1	12/02/21 07:40	TL	11/27/21 10:05	OP36831	GXX7671
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	15	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		24-152%
877-09-8	Tetrachloro-m-xylene	78%		24-152%
2051-24-3	Decachlorobiphenyl	70%		10-172%
2051-24-3	Decachlorobiphenyl	82%		10-172%

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9560	57	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.3	2.3	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	4.5	2.3	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	78.5	23	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.62	0.23	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	3.0	0.57	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	30100	1100	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	17.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	5.7	5.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	15.5	2.8	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	14700	57	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	73.3	2.3	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	8400	570	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	390	1.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.11	0.037	mg/kg	1	11/29/21	11/29/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	21.7	4.5	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	2370	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.3	2.3	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver [a]	< 1.1	1.1	mg/kg	2	12/01/21	12/10/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	22.7	5.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	569	5.7	mg/kg	1	12/01/21	12/02/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51494
(2) Instrument QC Batch: MA51527
(3) Instrument QC Batch: MA51586
(4) Prep QC Batch: MP30055
(5) Prep QC Batch: MP30089

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
		Percent Solids:	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.23	0.23	mg/kg	1	12/08/21 21:18	EB	SW846 9012B/LACHAT
Solids, Percent	85.9		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50972.D	1	12/21/21 14:26	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.36	0.58	0.29	ug/kg	J
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-10-7.0-9.0		
Lab Sample ID:	JD35782-7A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/23/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	73%		40-140%
	13C5-PFPeA	74%		50-150%
	13C5-PFHxA	74%		50-150%
	13C4-PFHpA	76%		50-150%
	13C8-PFOA	75%		50-150%
	13C9-PFNA	75%		50-150%
	13C6-PFDA	76%		50-150%
	13C7-PFUnDA	70%		40-140%
	13C2-PFDoDA	68%		40-140%
	13C2-PFTeDA	71%		30-130%
	13C3-PFBS	73%		50-150%
	13C3-PFHxS	73%		50-150%
	13C8-PFOS	71%		50-150%
	13C8-FOSA	72%		30-130%
	d3-MeFOSAA	89%		40-140%
	d5-EtFOSAA	94%		40-140%
	13C2-6:2FTS	71%		50-150%
	13C2-8:2FTS	79%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

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EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
SGS Quote #:
Bottle Order Control #: JS-111121-141
SGS Job #: JD35782

Client / Reporting Information

Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: 973 630 4045
Sampler(s) Name(s): A. VALLI Phone #:

Project Information

Project Name: 2ND AVE & 33RD St.
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

V8260 TCL 20T	AB8270 TCL+20	B8270 SIM 1,4 Diox	P8081 Pest TCL	P8082 PCB 11	H8151 STD	X MTAL CN	MTAL	LCID SSMW21

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TT-SB-05-6.5-8.5		11/19/2021	1350	AV	G		SO	6					3		3		✓	D44
2	SDUP-01		11/19/2021	1600	AV	G		SO	6					3		3		✓	P13
3	TT-SB-06-5.0-7.0		11/22/2021	0935	AV	G		SO	6					3		3		✓	SUB
4	TT-SB-07-6.0-8.0		11/22/2021	1223	AV	G		SO	6					3		3		✓	Encore
5	TT-SB-08-7.0-9.0	★	11/22/2021	1404	AV	G		SO	6					5		3		✓	1461
6	TT-SB-09-5.0-7.0	★	11/23/2021	0915	AV	G		SO	18					9		9		✓	4981
7	TT-SB-10-7.0-9.0	●	11/23/2021	1106	AV	G		SO	6					3		3		✓	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Yeslink

* Approval needed for 1-3 Business Day TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format
- DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

TT-SB-09-5.0-7.0 → MS/MSD
★ 9x5gram encore
● 3x5gram encore
Initial Assessment
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	11/23/2021 1304	1	2	11/23/21 1526	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: See Sample Receipt Summary

On Ice ★ Cooler Temp. °C: 3.1, 2.5 C/P

5.1

JD35782: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD35782 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/23/2021 3:26:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1); Cooler 2: (2.5);

Cooler Temps (Corrected) °C: Cooler 1: (1.7); Cooler 2: (1.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD35782: Chain of Custody
Page 2 of 3

Job Change Order: JD35782

Requested Date:	12/13/2021	**Received Date:**	11/23/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD35782-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD35782: Chain of Custody
Page 3 of 3

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD35782

Client / Reporting Information
Company Name:
Street Address:
City State Zip:
Project Contact E-mail: Jadon.Schiller@sgs.com
Phone #:
Sample(s) Name(s): AV | Phone:

Project Information
Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LCID5377/NY21	LAB USE ONLY
1A	TT-SB-05-6.5-8.5		11/19/21	1:50:00 PM	AV	SO										X	
2A	S DUP-01		11/19/21	4:00:00 PM	AV	SO										X	
3A	TT-SB-06-5.0-7.0		11/22/21	9:35:00 AM	AV	SO										X	
4A	TT-SB-07-6.0-8.0		11/22/21	12:23:00 PM	AV	SO										X	
5A	TT-SB-08-7.0-9.0		11/22/21	2:04:00 PM	AV	SO										X	
6A	TT-SB-09-5.0-7.0		11/23/21	9:15:00 AM	AV	SO										X	
6AD	TT-SB-09-5.0-7.0		11/23/21	9:15:00 AM	AV	SO										X	
6AS	TT-SB-09-5.0-7.0		11/23/21	9:15:00 AM	AV	SO										X	
7A	TT-SB-10-7.0-9.0		11/23/21	11:06:00 AM	AV	SO										X	

Turnaround Time (Business days)
Approved By (SGS PM); / Date:
- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
INITIAL ASSESSMENT
LABEL VERIFICATION
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	11/24/21 16:30	1 FedEx	2	11/30/21 1500	2
3	Date / Time:	3	4	Date / Time:	4
5	Date / Time:	5	Custody Seal #	Intact / Not Intact / Preserved where applicable / Absent / Therm. ID	On Ice / Cooler Temp. °C: 4.2-1.1

jd35782.xls

JD35782: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD35782 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOLK

Date / Time Received: 11/30/2021 3:00:00 PM **Delivery Method:** FX **Airbill #'s:** 5272 0636 6565

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.2);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 11/30/2021 3:00:00 P Reviewer: _____ Date: _____

5.2

JD35782: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD35850

Sampling Dates: 11/23/21 - 11/24/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: **46**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

Sample Summary

Tetra Tech

Job No: JD35850

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD35850-1	11/23/21	13:35	AV	11/24/21	SO	Soil	TT-SB-11-6.5-8.5
JD35850-1A	11/23/21	13:35	AV	11/24/21	SO	Soil	TT-SB-11-6.5-8.5
JD35850-2	11/24/21	09:08	AV	11/24/21	SO	Soil	TT-SB-12-7.0-9.0
JD35850-2A	11/24/21	09:08	AV	11/24/21	SO	Soil	TT-SB-12-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No:**	JD35850
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/23/2021 3:13:06 P

On 11/24/2021, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35850 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V1C7964

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35538-1AMS, JD35538-1AMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone(MIBK), Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon disulfide, Chlorobenzene, Chloroethane, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Isopropylbenzene, m,p-Xylene, Methylene chloride, o-Xylene, Styrene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Xylene (total) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,2-Trichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 2-Hexanone, Benzene, Bromodichloromethane, Bromoform, Chloroethane, Chloroform, Dibromochloromethane, Methylene chloride, o-Xylene, Tetrachloroethene, Trichloroethene, Vinyl chloride, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromochloromethane, Carbon disulfide, Chlorobenzene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Ethylbenzene, m,p-Xylene, Styrene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Xylene (total) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MS/MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromochloromethane, Carbon disulfide, Chlorobenzene, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Ethylbenzene, m,p-Xylene, Styrene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Xylene (total) are outside control limits. Outside control limits due to matrix interference.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88771

- The data for EPA 537M BY ID meets quality control requirements.
- JD35850-2A: Analysis performed at SGS Orlando, FL.
- JD35850-1A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36860

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35820-1MS, JD35820-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Caprolactam are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 2-Methylnaphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD35850-1 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD35850-2 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35850-1 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35850-2 for 1,4-Dioxane: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36860A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35850-1MS, JD35850-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36857

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35838-1MS, JD35838-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for delta-BHC, Dieldrin, Heptachlor are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Dieldrin are outside control limits. Outside control limits due to matrix interference.
- JD35850-2: Had TBA cleanup.
- JD35850-1: Had TBA cleanup.
- OP36857-MB1: Had TBA cleanup.
- JD35850-2 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35850-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP36857-BS1 for Dieldrin: Reported from 2nd signal. 1st signal used for confirmation.
- OP36857-BS1 for Aldrin: Reported from 1st signal, 1st signal used for confirmation.
- OP36857-BS1 for Dieldrin: Reported from 2nd signal. 1st signal used for confirmation.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36858

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35838-3MS, JD35838-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP36858-BSD for Aroclor 1260: Analytical precision exceeds in-house control limits. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP36858-BS1 for Aroclor 1260: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP36858-BSD for Aroclor 1016: Analytical precision exceeds in-house control limits.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36859

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35782-6MS, JD35782-6MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for 2,4,5-T, 2,4,5-TP (Silvex) are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for 2,4,5-T, 2,4,5-TP (Silvex) are outside control limits. Analytical precision exceeds in-house control limits.
- JD35850-2: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-MB1: Had TBA cleanup.
- OP36859-BS1: Had TBA cleanup.
- OP36859-MSD: Had TBA cleanup. Dilution required due to matrix interference.
- OP36859-MS: Had TBA cleanup. Dilution required due to matrix interference.
- JD35850-1: Had TBA cleanup. Dilution required due to matrix interference.
- JD35850-2 for 2,4-DCAA: Outside control limits due to matrix interference and dilution.

Metals Analysis By Method SW846 6010D

Matrix:	SO	Batch ID:	MP30111

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD33564-1TMSD, JD33564-1TPS, JD33564-1TSDL, JD33564-1TMS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Calcium, Magnesium, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Calcium, Magnesium, Aluminum, Zinc are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for MS/MSD for Zinc are outside control limits. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Cadmium, Selenium, Silver are outside control limits . Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD35850-2 for Copper: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Manganese: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Cadmium: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD35850-2 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- Matrix Spike Recovery(s) for Aluminum are outside control limits.Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Metals Analysis By Method SW846 7471B

Matrix:	SO	Batch ID:	MP30076

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35859-2MS, JD35859-2MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN24294

- Sample(s) JD35846-1DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP37313

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35838-1DUP, JD35838-1MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Duplicate for Cyanide are outside control limits. RPD acceptable due to low duplicate and sample concentrations.
- JD35850-2 for Cyanide: Sample prepped within holding time, but run out of holding time.
- JD35850-1 for Cyanide: Sample prepped within holding time, but run out of holding time.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD35850
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/22/2021 9:08:45

On 11/24/2021, 2 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 4.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35850 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88771

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) JD35782-6AMS, JD35782-6AMSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD35850
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/23/21 thru 11/24/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35850-1	**TT-SB-11-6.5-8.5**					
Acetone		25.7	9.4	3.9	ug/kg	SW846 8260D
2-Butanone (MEK)		3.8 J	9.4	2.3	ug/kg	SW846 8260D
o-Xylene		0.61 J	0.94	0.43	ug/kg	SW846 8260D
Xylene (total)		0.61 J	0.94	0.43	ug/kg	SW846 8260D
Total TIC, Volatile		124.3 J			ug/kg	
Acenaphthene		212	37	13	ug/kg	SW846 8270E
Acenaphthylene		50.5	37	19	ug/kg	SW846 8270E
Anthracene		341	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		758	37	11	ug/kg	SW846 8270E
Benzo(a)pyrene		757	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		938	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		503	37	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		304	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		29.7 J	74	5.1	ug/kg	SW846 8270E
Carbazole		90.1	74	5.4	ug/kg	SW846 8270E
Chrysene		791	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		141	37	16	ug/kg	SW846 8270E
Dibenzofuran		123	74	15	ug/kg	SW846 8270E
Di-n-butyl phthalate		54.6 J	74	6.0	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		186	74	8.7	ug/kg	SW846 8270E
Fluoranthene		1880	37	17	ug/kg	SW846 8270E
Fluorene		223	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		594	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene		99.4	37	8.4	ug/kg	SW846 8270E
Naphthalene		91.0	37	10	ug/kg	SW846 8270E
Phenanthrene		1400	37	12	ug/kg	SW846 8270E
Pyrene		1790	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		24470 J			ug/kg	
alpha-BHC [a]		1.3	0.76	0.62	ug/kg	SW846 8081B
gamma-BHC (Lindane) [a]		5.2	0.76	0.56	ug/kg	SW846 8081B
alpha-Chlordane [a]		2.2	0.76	0.61	ug/kg	SW846 8081B
gamma-Chlordane [a]		8.8	0.76	0.34	ug/kg	SW846 8081B
Dieldrin [a]		3.0	0.76	0.52	ug/kg	SW846 8081B
4,4'-DDD [a]		108	3.8	3.5	ug/kg	SW846 8081B
4,4'-DDE [a]		14.3	0.76	0.66	ug/kg	SW846 8081B
4,4'-DDT [a]		10.1	0.76	0.67	ug/kg	SW846 8081B
Endosulfan-II [a]		3.8	0.76	0.47	ug/kg	SW846 8081B
Heptachlor epoxide [a]		5.6	0.76	0.53	ug/kg	SW846 8081B
Aluminum		5050	57		mg/kg	SW846 6010D
Arsenic		4.7	2.3		mg/kg	SW846 6010D
Barium		95.3	23		mg/kg	SW846 6010D
Beryllium		0.48	0.23		mg/kg	SW846 6010D
Calcium		7380	570		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35850
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/23/21 thru 11/24/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Chromium	33.2	1.1		mg/kg	SW846 6010D
Cobalt	7.6	5.7		mg/kg	SW846 6010D
Copper	90.5	2.9		mg/kg	SW846 6010D
Iron	11900	57		mg/kg	SW846 6010D
Lead	526	2.3		mg/kg	SW846 6010D
Magnesium	3730	570		mg/kg	SW846 6010D
Manganese	180	1.7		mg/kg	SW846 6010D
Mercury	2.5	0.31		mg/kg	SW846 7471B
Nickel	29.6	4.6		mg/kg	SW846 6010D
Vanadium	17.9	5.7		mg/kg	SW846 6010D
Zinc	459	5.7		mg/kg	SW846 6010D
JD35850-1A TT-SB-11-6.5-8.5					
No hits reported in this sample.					
JD35850-2 TT-SB-12-7.0-9.0					
Acetone	50.2	11	4.7	ug/kg	SW846 8260D
Total TIC, Volatile	58 J			ug/kg	
Acenaphthene	1120	38	13	ug/kg	SW846 8270E
Acenaphthylene	6290	770	390	ug/kg	SW846 8270E
Anthracene	7000	770	470	ug/kg	SW846 8270E
Benzo(a)anthracene	7870	770	220	ug/kg	SW846 8270E
Benzo(a)pyrene	9330	770	350	ug/kg	SW846 8270E
Benzo(b)fluoranthene	7170	770	340	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	1540	38	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene	1540	38	18	ug/kg	SW846 8270E
1,1'-Biphenyl	1330	77	5.2	ug/kg	SW846 8270E
Carbazole	42.3 J	77	5.6	ug/kg	SW846 8270E
Chrysene	7730	770	240	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	343	38	17	ug/kg	SW846 8270E
Dibenzofuran	324	77	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	317	77	9.0	ug/kg	SW846 8270E
Fluoranthene	14400	770	340	ug/kg	SW846 8270E
Fluorene	7210	770	350	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	1730	38	18	ug/kg	SW846 8270E
2-Methylnaphthalene	3300	38	8.7	ug/kg	SW846 8270E
Naphthalene	1290	38	11	ug/kg	SW846 8270E
Phenanthrene	37400	770	260	ug/kg	SW846 8270E
Pyrene	29100	770	250	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	44140 J			ug/kg	
Aluminum	6280	58		mg/kg	SW846 6010D
Antimony	2.9	2.3		mg/kg	SW846 6010D
Arsenic	8.5	2.3		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35850
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/23/21 thru 11/24/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		240	23		mg/kg	SW846 6010D
Beryllium		0.36	0.23		mg/kg	SW846 6010D
Cadmium [b]		5.1	2.9		mg/kg	SW846 6010D
Calcium		49000	2900		mg/kg	SW846 6010D
Chromium		23.8	1.2		mg/kg	SW846 6010D
Cobalt		7.1	5.8		mg/kg	SW846 6010D
Copper [b]		124	15		mg/kg	SW846 6010D
Iron		29300	290		mg/kg	SW846 6010D
Lead [b]		266	12		mg/kg	SW846 6010D
Magnesium		5970	580		mg/kg	SW846 6010D
Manganese [b]		323	8.7		mg/kg	SW846 6010D
Mercury		0.54	0.032		mg/kg	SW846 7471B
Nickel		26.2	4.6		mg/kg	SW846 6010D
Vanadium		25.5	5.8		mg/kg	SW846 6010D
Zinc		1220	29		mg/kg	SW846 6010D

JD35850-2A **TT-SB-12-7.0-9.0**

No hits reported in this sample.

(a) Had TBA cleanup.
(b) Elevated detection limit due to dilution required for high interfering element.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C182931.D	1	12/01/21 02:20	PS	11/24/21 19:46	n/a	V1C7964
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	25.7	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	3.8	9.4	2.3	ug/kg	J
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.94	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.84	ug/kg	
95-47-6	o-Xylene	0.61	0.94	0.43	ug/kg	J
1330-20-7	Xylene (total)	0.61	0.94	0.43	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		72-130%
17060-07-0	1,2-Dichloroethane-D4	110%		75-131%
2037-26-5	Toluene-D8	95%		81-121%
460-00-4	4-Bromofluorobenzene	108%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	16.48	8.1	ug/kg	J
	1H-indene-dihydro-dimethyl - isomer	16.83	6.7	ug/kg	J
	C4 alkyl benzene	16.89	13	ug/kg	J
	unknown	17.07	6.3	ug/kg	J
	C5 alkyl benzene	17.28	5.9	ug/kg	J
	C4 alkyl benzene	17.37	8.4	ug/kg	J
	1H-Indene-dihydro-methyl - isomer	17.42	8.4	ug/kg	J
	C5 alkyl benzene	17.66	7.5	ug/kg	J
	1H-indene-dihydro-dimethyl - isomer	17.82	11	ug/kg	J
91-20-3	Naphthalene	18.05	9.9	ug/kg	JN

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl - isomer	18.30	7.9	ug/kg	J
91-57-6	Naphthalene, 2-methyl-	19.01	6.9	ug/kg	JN
	Naphthalene, methyl - isomer	19.18	8.9	ug/kg	J
	Naphthalene, dimethyl - isomer	19.86	8.4	ug/kg	J
	Naphthalene, dimethyl - isomer	20.01	7	ug/kg	J
	Total TIC, Volatile		124.3	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-11-6.5-8.5
Lab Sample ID: JD35850-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/23/21
Date Received: 11/24/21
Percent Solids: 87.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z153639.D	1	12/02/21 21:23	KLS	11/29/21 13:15	OP36860	EZ7633
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	212	37	13	ug/kg	
208-96-8	Acenaphthylene	50.5	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	341	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	758	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	757	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	938	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	503	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	304	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	29.7	74	5.1	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	90.1	74	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	791	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane [b]	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	141	37	16	ug/kg	
132-64-9	Dibenzofuran	123	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	54.6	74	6.0	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	186	74	8.7	ug/kg	
206-44-0	Fluoranthene	1880	37	17	ug/kg	
86-73-7	Fluorene	223	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	594	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	99.4	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.6	ug/kg	
91-20-3	Naphthalene	91.0	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	1400	37	12	ug/kg	
129-00-0	Pyrene	1790	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	65%		10-105%
118-79-6	2,4,6-Tribromophenol	84%		10-135%
4165-60-0	Nitrobenzene-d5	69%		10-119%
321-60-8	2-Fluorobiphenyl	80%		18-112%
1718-51-0	Terphenyl-d14	73%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Alkane	4.87	450	ug/kg	J
	Alkane	5.89	410	ug/kg	J
	Alkane	6.01	430	ug/kg	J
	Naphthalene dimethyl	6.59	430	ug/kg	J
	Naphthalene dimethyl	6.65	760	ug/kg	J
	Alkane	6.71	920	ug/kg	J
	Alkane	6.90	770	ug/kg	J
	Naphthalene trimethyl	7.33	360	ug/kg	J
	Alkane	7.38	1100	ug/kg	J
	Alkane	7.61	860	ug/kg	J
	Alkane	7.90	2900	ug/kg	J
	Dimethylbiphenyl	8.11	630	ug/kg	J
	Unknown	8.24	370	ug/kg	J
	Alkane	8.44	1100	ug/kg	J
	Alkane	8.48	770	ug/kg	J
	Unknown	8.70	400	ug/kg	J
	Alkane	8.94	370	ug/kg	J
	Alkane	9.01	1100	ug/kg	J
	Phenanthrene methyl	9.23	560	ug/kg	J
	Alkane	9.59	800	ug/kg	J
	Phenanthrene dimethyl	9.82	480	ug/kg	J
	Phenanthrene dimethyl	9.97	690	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.29	6700	ug/kg	JN
	Unknown	13.37	410	ug/kg	J
	Unknown PAH substance	14.28	700	ug/kg	J
	Total TIC, Semi-Volatile		24470	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105036.D	1	12/11/21 03:34	KLS	11/29/21 13:15	OP36860A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-107%
321-60-8	2-Fluorobiphenyl	73%		17-91%
1718-51-0	Terphenyl-d14	75%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134401.D	4	12/04/21 07:40	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	74	33	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	15	8.3	ug/kg	
93-76-5	2,4,5-T	ND	15	7.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	24%		10-125%
19719-28-9	2,4-DCAA	17%		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G171675.D	1	12/02/21 01:42	CP	11/29/21 09:00	OP36857	G1G5922
Run #2 [a]	1G171741.D	5	12/06/21 02:01	CP	11/29/21 09:00	OP36857	G1G5925

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2	15.1 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.76	0.62	ug/kg	
319-84-6	alpha-BHC	1.3	0.76	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.76	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.76	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane)	5.2	0.76	0.56	ug/kg	
5103-71-9	alpha-Chlordane	2.2	0.76	0.61	ug/kg	
5103-74-2	gamma-Chlordane	8.8	0.76	0.34	ug/kg	
60-57-1	Dieldrin	3.0	0.76	0.52	ug/kg	
72-54-8	4,4'-DDD	108 [b]	3.8	3.5	ug/kg	
72-55-9	4,4'-DDE	14.3	0.76	0.66	ug/kg	
50-29-3	4,4'-DDT	10.1	0.76	0.67	ug/kg	
72-20-8	Endrin	ND	0.76	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.76	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.76	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.76	0.44	ug/kg	
33213-65-9	Endosulfan-II	3.8	0.76	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.76	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	5.6	0.76	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.76	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	52%	27-138%
877-09-8	Tetrachloro-m-xylene	94%	40%	27-138%
2051-24-3	Decachlorobiphenyl	101%	73%	10-179%
2051-24-3	Decachlorobiphenyl	205% [c]	85%	10-179%

(a) Had TBA cleanup.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475326.D	1	12/07/21 13:50	TL	11/29/21 09:00	OP36858	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		24-152%
877-09-8	Tetrachloro-m-xylene	84%		24-152%
2051-24-3	Decachlorobiphenyl	91%		10-172%
2051-24-3	Decachlorobiphenyl	113%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
		Percent Solids:	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5050	57	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.7	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	95.3	23	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.48	0.23	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	7380	570	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	33.2	1.1	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.6	5.7	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	90.5	2.9	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	11900	57	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	526	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3730	570	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	180	1.7	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	2.5	0.31	mg/kg	10	11/30/21	11/30/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	29.6	4.6	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.57	0.57	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	17.9	5.7	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	459	5.7	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51507
(2) Instrument QC Batch: MA51539
(3) Prep QC Batch: MP30076
(4) Prep QC Batch: MP30111

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
		Percent Solids:	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.34	0.34	mg/kg	1	12/08/21 20:27	EB	SW846 9012B/LACHAT
Solids, Percent	87.5		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50973.D	1	12/21/21 14:42	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.05 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-11-6.5-8.5		
Lab Sample ID:	JD35850-1A	**Date Sampled:**	11/23/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	87.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	69%		40-140%
	13C5-PFPeA	70%		50-150%
	13C5-PFHxA	71%		50-150%
	13C4-PFHpA	73%		50-150%
	13C8-PFOA	72%		50-150%
	13C9-PFNA	73%		50-150%
	13C6-PFDA	75%		50-150%
	13C7-PFUnDA	69%		40-140%
	13C2-PFDoDA	61%		40-140%
	13C2-PFTeDA	68%		30-130%
	13C3-PFBS	71%		50-150%
	13C3-PFHxS	72%		50-150%
	13C8-PFOS	67%		50-150%
	13C8-FOSA	55%		30-130%
	d3-MeFOSAA	86%		40-140%
	d5-EtFOSAA	91%		40-140%
	13C2-6:2FTS	71%		50-150%
	13C2-8:2FTS	76%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C182930.D	1	12/01/21 01:54	PS	11/24/21 19:46	n/a	V1C7964
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	50.2	11	4.7	ug/kg	
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.49	ug/kg	
75-25-2	Bromoform	ND	5.7	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.87	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.7	0.67	ug/kg	
67-66-3	Chloroform	ND	2.3	0.59	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.79	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.62	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.52	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	ND	5.7	3.0	ug/kg	
100-42-5	Styrene	ND	2.3	0.46	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.68	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		72-130%
17060-07-0	1,2-Dichloroethane-D4	111%		75-131%
2037-26-5	Toluene-D8	95%		81-121%
460-00-4	4-Bromofluorobenzene	109%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	cycloalkane	14.95	18	ug/kg	J
91-20-3	Naphthalene	18.04	14	ug/kg	JN
91-57-6	Naphthalene, 2-methyl-	19.01	13	ug/kg	JN
	Naphthalene, methyl - isomer	19.18	13	ug/kg	J
	Total TIC, Volatile		58	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z153640.D	1	12/02/21 21:50	KLS	11/29/21 13:15	OP36860	EZ7633
Run #2	Z153939.D	20	12/17/21 12:43	JY	11/29/21 13:15	OP36860	EZ7646

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	77	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	77	24	ug/kg	
	3&4-Methylphenol	ND	77	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	77	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	1120	38	13	ug/kg	
208-96-8	Acenaphthylene	6290 [b]	770	390	ug/kg	
98-86-2	Acetophenone	ND	190	8.2	ug/kg	
120-12-7	Anthracene	7000 [b]	770	470	ug/kg	
1912-24-9	Atrazine	ND	77	16	ug/kg	
56-55-3	Benzo(a)anthracene	7870 [b]	770	220	ug/kg	
50-32-8	Benzo(a)pyrene	9330 [b]	770	350	ug/kg	
205-99-2	Benzo(b)fluoranthene	7170 [b]	770	340	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1540	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	1540	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	9.3	ug/kg	
92-52-4	1,1'-Biphenyl	1330	77	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	9.1	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	42.3	77	5.6	ug/kg	J

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Report of Analysis

Client Sample ID: TT-SB-12-7.0-9.0
Lab Sample ID: JD35850-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/24/21
Date Received: 11/24/21
Percent Solids: 86.2

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	15	ug/kg	
218-01-9	Chrysene	7730 [b]	770	240	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	77	8.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	77	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	77	32	ug/kg	
123-91-1	1,4-Dioxane [c]	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	343	38	17	ug/kg	
132-64-9	Dibenzofuran	324	77	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	77	9.5	ug/kg	
84-66-2	Diethyl phthalate	ND	77	8.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	6.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	317	77	9.0	ug/kg	
206-44-0	Fluoranthene	14400 [b]	770	340	ug/kg	
86-73-7	Fluorene	7210 [b]	770	350	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	9.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1730	38	18	ug/kg	
78-59-1	Isophorone	ND	77	8.2	ug/kg	
91-57-6	2-Methylnaphthalene	3300	38	8.7	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.0	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.6	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.9	ug/kg	
91-20-3	Naphthalene	1290	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	77	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	37400 [b]	770	260	ug/kg	
129-00-0	Pyrene	29100 [b]	770	250	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%	88%	10-109%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%	89%	10-105%
118-79-6	2,4,6-Tribromophenol	71%	113%	10-135%
4165-60-0	Nitrobenzene-d5	61%	92%	10-119%
321-60-8	2-Fluorobiphenyl	70%	107%	18-112%
1718-51-0	Terphenyl-d14	62%	96%	18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Cyclohexane alkyl	4.45	1400	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	6.17	1900	ug/kg	JN
	Naphthalene dimethyl	6.59	1100	ug/kg	J
	Naphthalene dimethyl	6.66	1500	ug/kg	J
	Naphthalene dimethyl	6.68	650	ug/kg	J
	Unknown	6.71	1100	ug/kg	J
	Naphthalene dimethyl	6.75	690	ug/kg	J
	Naphthalene trimethyl	7.25	690	ug/kg	J
	Naphthalene trimethyl	7.34	700	ug/kg	J
	Isopropenylnaphthalene	7.55	620	ug/kg	J
	Alkane	7.62	820	ug/kg	J
	Unknown	9.90	4900	ug/kg	J
	Unknown	10.31	490	ug/kg	J
	Pyrene methyl	10.98	690	ug/kg	J
	Unknown	11.26	4800	ug/kg	J
	Unknown	12.03	2200	ug/kg	J
	Unknown acid	12.28	4100	ug/kg	J
	Unknown PAH substance	14.10	2100	ug/kg	J
	Unknown PAH substance	14.33	5100	ug/kg	J
	Unknown	14.82	870	ug/kg	J
	Unknown	15.05	1500	ug/kg	J
	Unknown	15.21	2100	ug/kg	J
	Unknown	15.60	2000	ug/kg	J
	Unknown PAH substance	15.70	920	ug/kg	J
	Unknown PAH substance	16.36	1200	ug/kg	J
	Total TIC, Semi-Volatile		44140	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105037.D	1	12/11/21 03:54	KLS	11/29/21 13:15	OP36860A	E4M4881
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		10-107%
321-60-8	2-Fluorobiphenyl	64%		17-91%
1718-51-0	Terphenyl-d14	65%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134402.D	4	12/04/21 08:07	RK	11/30/21 09:50	OP36859	G3G4902
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	76	34	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	15	8.6	ug/kg	
93-76-5	2,4,5-T	ND	15	7.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	8% [b]		10-125%
19719-28-9	2,4-DCAA	11%		10-125%

(a) Had TBA cleanup. Dilution required due to matrix interference.
(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G171870.D	1	12/08/21 19:25	TL	11/29/21 09:00	OP36857	G1G5929
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.61	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.60	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.71	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.74	0.60	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.74	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.74	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.74	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	0.74	0.65	ug/kg	
50-29-3	4,4'-DDT	ND	0.74	0.65	ug/kg	
72-20-8	Endrin	ND	0.74	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		27-138%
877-09-8	Tetrachloro-m-xylene	89%		27-138%
2051-24-3	Decachlorobiphenyl	110%		10-179%
2051-24-3	Decachlorobiphenyl	386% [b]		10-179%

(a) Had TBA cleanup.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475331.D	1	12/07/21 15:16	TL	11/29/21 09:00	OP36858	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	16	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		24-152%
877-09-8	Tetrachloro-m-xylene	90%		24-152%
2051-24-3	Decachlorobiphenyl	81%		10-172%
2051-24-3	Decachlorobiphenyl	99%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
		Percent Solids:	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6280	58	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	2.9	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	8.5	2.3	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	240	23	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.36	0.23	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium [a]	5.1	2.9	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Calcium	49000	2900	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	23.8	1.2	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	7.1	5.8	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper [a]	124	15	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Iron	29300	290	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Lead [a]	266	12	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Magnesium	5970	580	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese [a]	323	8.7	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Mercury	0.54	0.032	mg/kg	1	11/30/21	11/30/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	26.2	4.6	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	< 1200	1200	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium [a]	< 12	12	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Silver [a]	< 2.9	2.9	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1200	1200	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium [a]	< 5.8	5.8	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]
Vanadium	25.5	5.8	mg/kg	1	12/03/21	12/03/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	1220	29	mg/kg	5	12/03/21	12/06/21	ND	SW846 6010D [3]	SW846 3050B [5]

(1) Instrument QC Batch: MA51507
(2) Instrument QC Batch: MA51539
(3) Instrument QC Batch: MA51551
(4) Prep QC Batch: MP30076
(5) Prep QC Batch: MP30111

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
		Percent Solids:	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.30	0.30	mg/kg	1	12/08/21 20:29	EB	SW846 9012B/LACHAT
Solids, Percent	86.2		%	1	11/29/21 16:30	BG	SM2540 G 18TH ED MOD

(a) Sample prepped within holding time, but run out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2A	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q50944.D	1	12/21/21 06:40	AFL	12/10/21 15:00	F:OP88771	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.43	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.57	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.57	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.57	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.57	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.57	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.57	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.57	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.57	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.57	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.57	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.57	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.57	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.57	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.57	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.57	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.57	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.57	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.57	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12-7.0-9.0		
Lab Sample ID:	JD35850-2A	**Date Sampled:**	11/24/21
Matrix:	SO - Soil	**Date Received:**	11/24/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	76%		40-140%
	13C5-PFPeA	76%		50-150%
	13C5-PFHxA	76%		50-150%
	13C4-PFHpA	76%		50-150%
	13C8-PFOA	76%		50-150%
	13C9-PFNA	75%		50-150%
	13C6-PFDA	74%		50-150%
	13C7-PFUnDA	59%		40-140%
	13C2-PFDoDA	50%		40-140%
	13C2-PFTeDA	62%		30-130%
	13C3-PFBS	76%		50-150%
	13C3-PFHxS	76%		50-150%
	13C8-PFOS	73%		50-150%
	13C8-FOSA	59%		30-130%
	d3-MeFOSAA	85%		40-140%
	d5-EtFOSAA	94%		40-140%
	13C2-6:2FTS	75%		50-150%
	13C2-8:2FTS	78%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SO
SL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

Page __ of __

FED-EX Tracking #:
Bottle Order Control #: JS-111121-141
SGS Quote #:
SGS Job #: JD 35850

Client / Reporting Information

Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: 973.630.4045
Sampler(s) Name(s): A. VALLI Phone #:

Project Information

Project Name: 2ND AVE & 33RD ST.
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

VB260 TCL r20	AB 8270 TCL r20	B 8270 SIM 1,4-Dioxane	P8081 Pest TCL	P8082 - PCB 11	H8151 STD	X MTAL CN	MTAL	LCID 537 NY21

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TT-SB-11-6.5-8.5	a	11/23/21	1335	AV	G		SO	6					3			3	✓ ✓ ✓ ✓ ✓ ✓	DUP
2	TT-SB-12-7.0-9.0	b	11/23/21	0908	AV	G		SO	6					3			3	✓ ✓ ✓ ✓ ✓ ✓	PIB
																			1462
																			4484

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format_____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment AR2A
Label Verification_____
3453 encore
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 AV Valli	11/24/21 1134	1 Joseph Acheampong	2 Joseph Acheampong	11/24/21 1703	2 Jeemin Patel
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary

On Ice ☑ Cooler Temp. °C 2.7 2.8

5.1

SGS Sample Receipt Summary

Job Number: JD35850 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/24/2021 5:03:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.7);

Cooler Temps (Corrected) °C: Cooler 1: (1.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

Job Change Order: JD35850

Requested Date:	12/13/2021	**Received Date:**	11/24/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD35850-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

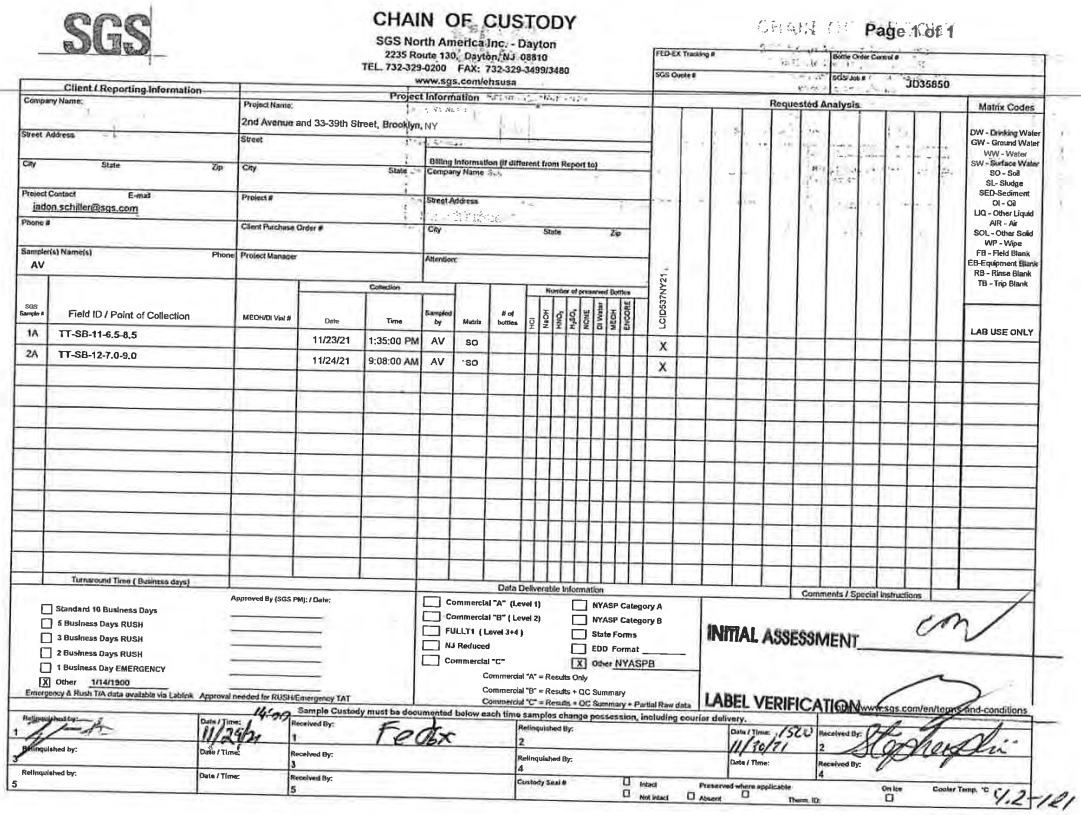
==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD35850: Chain of Custody
Page 3 of 3



SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: JD35850

Client / Reporting Information
Company Name:
Street Address:
City State Zip
Project Contact E-mail: jadon.schiller@sgs.com
Phone #:
Sampler(s) Name(s): AV Phone:

Project Information
Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State
Billing Information (if different from Report to)
Company Name:
Project #:
Street Address:
Client Purchase Order #:
City State Zip
Project Manager:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LCID537NY21	LAB USE ONLY
1A	TT-SB-11-6.5-8.5		11/23/21	1:35:00 PM	AV	SO										X	
2A	TT-SB-12-7.0-9.0		11/24/21	9:08:00 AM	AV	SO										X	

Turnaround Time (Business days)
Approved By (SGS PM); / Date:
- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush TIA data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
INITIAL ASSESSMENT
LABEL VERIFICATION
SGS terms: www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	11/29/21 14:00	1 FedEx	2	11/30/21 1520	2
3	Date / Time:	3	4	Date / Time:	4
5	Date / Time:	5	Custody Seal #	Intact / Not Intact	Preserved where applicable / Absent

On Ice: ☐ Cooler Temp. °C: 4.2-1.21 Therm. ID:

jd35850.xls
Rev. Date: 4/19/19

5.2

JD35850: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD35850 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/30/2021 3:00:00 PM **Delivery Method:** FX **Airbill #'s:** 5272 0636 6565

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.2);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑
	W	**or**	**S**	**N/A**
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 11/30/2021 3:00:00 P Reviewer: _____ Date: _____

5.2

JD35850: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD35939

Sampling Dates: 11/29/21 - 11/30/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report:

169

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

SGS North America Inc. • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499

Table of Contents

Sample Summary

Tetra Tech

Job No: JD35939

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD35939-1	11/29/21	09:10	AV	11/30/21	SO	Soil	TT-SB-13-7.5-9.5
JD35939-1A	11/29/21	09:10	AV	11/30/21	SO	Soil	TT-SB-13-7.5-9.5
JD35939-2	11/29/21	10:09	AV	11/30/21	SO	Soil	TT-SB-14-7.5-9.5
JD35939-2A	11/29/21	10:09	AV	11/30/21	SO	Soil	TT-SB-14-7.5-9.5
JD35939-3	11/29/21	11:09	AV	11/30/21	SO	Soil	TT-SB-15-7.5-9.5
JD35939-3A	11/29/21	11:09	AV	11/30/21	SO	Soil	TT-SB-15-7.5-9.5
JD35939-4	11/29/21	12:11	AV	11/30/21	SO	Soil	TT-SB-16-7.5-9.5
JD35939-4A	11/29/21	12:11	AV	11/30/21	SO	Soil	TT-SB-16-7.5-9.5
JD35939-5	11/29/21	13:55	AV	11/30/21	SO	Soil	TT-SB-17-7.0-9.0
JD35939-5A	11/29/21	13:55	AV	11/30/21	SO	Soil	TT-SB-17-7.0-9.0
JD35939-6	11/29/21	14:56	AV	11/30/21	SO	Soil	TT-SB-18-7.0-9.0
JD35939-6A	11/29/21	14:56	AV	11/30/21	SO	Soil	TT-SB-18-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech

Job No: JD35939

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD35939-7	11/30/21	08:48	AV	11/30/21	SO	Soil	TT-SB-19-7.0-9.0
JD35939-7A	11/30/21	08:48	AV	11/30/21	SO	Soil	TT-SB-19-7.0-9.0
JD35939-8	11/30/21	09:36	AV	11/30/21	SO	Soil	TT-SB-20-6.5-8.5
JD35939-8A	11/30/21	09:36	AV	11/30/21	SO	Soil	TT-SB-20-6.5-8.5
JD35939-9	11/30/21	10:28	AV	11/30/21	SO	Soil	TT-SB-21-6.5-8.5
JD35939-9A	11/30/21	10:28	AV	11/30/21	SO	Soil	TT-SB-21-6.5-8.5
JD35939-10	11/30/21	11:33	AV	11/30/21	SO	Soil	TT-SB-22-6.5-8.5
JD35939-10A	11/30/21	11:33	AV	11/30/21	SO	Soil	TT-SB-22-6.5-8.5
JD35939-11	11/30/21	13:30	AV	11/30/21	SO	Soil	TT-SB-23-7.5-9.5
JD35939-11A	11/30/21	13:30	AV	11/30/21	SO	Soil	TT-SB-23-7.5-9.5

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD35939
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/27/2021 5:55:33 P

On 11/30/2021, 22 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of -0.1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35939 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9769

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-1MS, JD35939-2DUP were used as the QC samples indicated.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88850

- The data for EPA 537M BY ID meets quality control requirements.
- JD35939-11A: Analysis performed at SGS Orlando, FL.
- JD35939-1A: Analysis performed at SGS Orlando, FL.
- JD35939-2A: Analysis performed at SGS Orlando, FL.
- JD35939-3A: Analysis performed at SGS Orlando, FL.
- JD35939-4A: Analysis performed at SGS Orlando, FL.
- JD35939-6A: Analysis performed at SGS Orlando, FL.
- JD35939-8A: Analysis performed at SGS Orlando, FL.
- JD35939-9A: Analysis performed at SGS Orlando, FL.
- JD35939-5A: Analysis performed at SGS Orlando, FL.
- JD35939-10A: Analysis performed at SGS Orlando, FL.
- JD35939-7A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36903

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-1MS, JD35939-1MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Anthracene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for Acenaphthene, Fluorene, Naphthalene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike /Matrix Spike Duplicate Recovery(s) for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for Naphthalene, Phenanthrene are outside control limits for sample OP36903-MSD.
- JD35939-6 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-2 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-1 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-9 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-2 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-9 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- OP36903-MSD for Naphthalene: Outside of in house control limits.
- JD35939-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- OP36903-MSD for Phenanthrene: Outside of in house control limits.
- JD35939-6 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-10 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-6 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-7 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-7 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-7 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-8 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-8 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-10 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-9 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-1 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-3 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-5 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-3 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-10 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-11 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-11 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-11 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-8 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-4 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD35939-4 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD35939-5 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-5 for Caprolactam: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36903

- JD35939-4 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD35939-3 for 4-Nitrophenol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36903A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-2MS, JD35939-2MSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36907

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-1MS, JD35939-1MSD, OP36907-MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for delta-BHC, Endrin ketone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aldrin, delta-BHC, Endrin aldehyde are outside control limits. Outside control limits due to matrix interference.
- JD35939-9: Had TBA cleanup.
- JD35939-1: Confirmation run.
- JD35939-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD35939-1 for Endosulfan-II: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35939-1 for Endrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35939-1 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD35939-1 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- OP36907-BS1 for Methoxychlor: Reported from 2nd signal. 1st signal used for confirmation.
- JD35939-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36908

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35939-2MS, JD35939-2MSD, OP36908-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD35939-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP36908-MB1 for Tetrachloro-m-xylene: Outside of in house control limits.
- RPD of OP36908-BSD for Aroclor 1260: Analytical precision exceeds in-house control limits.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36906

- All samples were extracted within the recommended method holding time.
- Sample(s) JD35939-3MS, JD35939-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD35939-3 for 2,4-DCAA: Outside control limits due to matrix interference.
- JD35939-9 for 2,4-DCAA: Outside control limits due to matrix interference.
- RPD of OP36906-BSD for 2,4-D: Analytical precision exceeds in-house control limits.
- RPD of OP36906-BSD for 2,4,5-T: Analytical precision exceeds in-house control limits.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30147

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-7MS, JD35939-7MSD, JD35939-7PS, JD35939-7SDL were used as the QC samples for metals.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Magnesium, Manganese, Potassium are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Selenium, Silver are outside control limits for sample MP30147-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP30147-SD1 for Cobalt: Serial dilution indicates possible matrix interference.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30119

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35907-1MS, JD35907-1MSD were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP30120

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-4MS, JD35939-4MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN24374

- Sample(s) JD35936-15DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix: SO **Batch ID:** GP37364

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35936-1DUP, JD35936-1MS were used as the QC samples for Cyanide.

Matrix: SO **Batch ID:** GP37365

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35939-6DUP, JD35939-6MS, JD35939-7MS were used as the QC samples for Cyanide.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS Dayton, NJ **Job No:** JD35939

Site: TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY **Report Date** 12/27/2021 3:41:14

On 11/30/2021, 11 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD35939 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88850

Sample(s) JD36081-11MS, JD36081-11MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Perfluorotridecanoic acid are outside control limits. Probable cause is due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Perfluorotridecanoic acid are outside control limits. Probable cause is due to matrix interference.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35939-1	**TT-SB-13-7.5-9.5**					
Acenaphthene		1780	36	13	ug/kg	SW846 8270E
Acenaphthylene		233	36	18	ug/kg	SW846 8270E
Anthracene		3060	730	450	ug/kg	SW846 8270E
Benzo(a)anthracene		10000	730	210	ug/kg	SW846 8270E
Benzo(a)pyrene		9080	730	330	ug/kg	SW846 8270E
Benzo(b)fluoranthene		11000	730	320	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		6040	730	360	ug/kg	SW846 8270E
Benzo(k)fluoranthene		4110	730	340	ug/kg	SW846 8270E
1,1'-Biphenyl		104	73	5.0	ug/kg	SW846 8270E
Carbazole		946	73	5.3	ug/kg	SW846 8270E
Chrysene		9330	730	230	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		1530	730	320	ug/kg	SW846 8270E
Dibenzofuran		802	73	15	ug/kg	SW846 8270E
Fluoranthene		21600	730	320	ug/kg	SW846 8270E
Fluorene		1420	36	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		6880	730	340	ug/kg	SW846 8270E
2-Methylnaphthalene		281	36	8.2	ug/kg	SW846 8270E
Naphthalene		840	36	10	ug/kg	SW846 8270E
Phenanthrene		12400	730	240	ug/kg	SW846 8270E
Pyrene		18800	730	230	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		52280 J			ug/kg	
Dieldrin [a]		5.3	0.68	0.47	ug/kg	SW846 8081B
4,4'-DDE [a]		2.2	0.68	0.59	ug/kg	SW846 8081B
4,4'-DDT		18.8	0.68	0.60	ug/kg	SW846 8081B
Endrin [a]		10.4	0.68	0.53	ug/kg	SW846 8081B
Endosulfan-II [a]		12.3	0.68	0.42	ug/kg	SW846 8081B
Aluminum		7120	57		mg/kg	SW846 6010D
Arsenic		7.3	2.3		mg/kg	SW846 6010D
Barium		125	23		mg/kg	SW846 6010D
Beryllium		0.47	0.23		mg/kg	SW846 6010D
Calcium		9560	570		mg/kg	SW846 6010D
Chromium		18.1	1.1		mg/kg	SW846 6010D
Cobalt		6.1	5.7		mg/kg	SW846 6010D
Copper		82.5	2.8		mg/kg	SW846 6010D
Iron		15700	57		mg/kg	SW846 6010D
Lead		532	2.3		mg/kg	SW846 6010D
Magnesium		3230	570		mg/kg	SW846 6010D
Manganese		239	1.7		mg/kg	SW846 6010D
Mercury		0.41	0.036		mg/kg	SW846 7471B
Nickel		24.8	4.5		mg/kg	SW846 6010D
Potassium		1200	1100		mg/kg	SW846 6010D
Silver		0.74	0.57		mg/kg	SW846 6010D
Vanadium		21.2	5.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		360	5.7		mg/kg	SW846 6010D
JD35939-1A	**TT-SB-13-7.5-9.5**					
No hits reported in this sample.						
JD35939-2	**TT-SB-14-7.5-9.5**					
Benzo(a)anthracene		10.0 J	37	10	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		12.7 J	74	8.6	ug/kg	SW846 8270E
Fluoranthene		17.1 J	37	16	ug/kg	SW846 8270E
Naphthalene		10.2 J	37	10	ug/kg	SW846 8270E
Phenanthrene		12.3 J	37	12	ug/kg	SW846 8270E
Pyrene		16.3 J	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		380 J			ug/kg	
Aluminum		4360	55		mg/kg	SW846 6010D
Arsenic		4.2	2.2		mg/kg	SW846 6010D
Barium		35.8	22		mg/kg	SW846 6010D
Beryllium		0.41	0.22		mg/kg	SW846 6010D
Calcium		1840	550		mg/kg	SW846 6010D
Chromium		9.6	1.1		mg/kg	SW846 6010D
Cobalt		5.9	5.5		mg/kg	SW846 6010D
Copper		26.0	2.8		mg/kg	SW846 6010D
Iron		11900	55		mg/kg	SW846 6010D
Lead		33.4	2.2		mg/kg	SW846 6010D
Magnesium		1160	550		mg/kg	SW846 6010D
Manganese		181	1.7		mg/kg	SW846 6010D
Mercury		0.051	0.036		mg/kg	SW846 7471B
Nickel		16.5	4.4		mg/kg	SW846 6010D
Vanadium		15.4	5.5		mg/kg	SW846 6010D
Zinc		44.4	5.5		mg/kg	SW846 6010D
Cyanide		0.32	0.29		mg/kg	SW846 9012B/LACHAT
JD35939-2A	**TT-SB-14-7.5-9.5**					
Perfluorooctanesulfonic acid [b]		0.86	0.55	0.28	ug/kg	EPA 537M BY ID
JD35939-3	**TT-SB-15-7.5-9.5**					
Acetone		6.9 J	11	4.6	ug/kg	SW846 8260D
Benzo(a)anthracene		68.5	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		48.1	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		68.7	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		28.3 J	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		30.2 J	36	17	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
1,1'-Biphenyl	5.4 J	72	4.9	ug/kg	SW846 8270E
Carbazole	5.4 J	72	5.2	ug/kg	SW846 8270E
Chrysene	72.8	36	11	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	10.2 J	72	8.5	ug/kg	SW846 8270E
Fluoranthene	176	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	27.8 J	36	17	ug/kg	SW846 8270E
2-Methylnaphthalene	8.3 J	36	8.2	ug/kg	SW846 8270E
Naphthalene	30.7 J	36	10	ug/kg	SW846 8270E
Phenanthrene	98.8	36	12	ug/kg	SW846 8270E
Pyrene	156	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	610 J			ug/kg	
Aluminum	3340	57		mg/kg	SW846 6010D
Arsenic	4.9	2.3		mg/kg	SW846 6010D
Barium	60.2	23		mg/kg	SW846 6010D
Beryllium	0.31	0.23		mg/kg	SW846 6010D
Calcium	948	570		mg/kg	SW846 6010D
Chromium	10.1	1.1		mg/kg	SW846 6010D
Cobalt	7.9	5.7		mg/kg	SW846 6010D
Copper	58.9	2.9		mg/kg	SW846 6010D
Iron	14900	57		mg/kg	SW846 6010D
Lead	160	2.3		mg/kg	SW846 6010D
Magnesium	989	570		mg/kg	SW846 6010D
Manganese	246	1.7		mg/kg	SW846 6010D
Mercury	0.61	0.033		mg/kg	SW846 7471B
Nickel	17.2	4.6		mg/kg	SW846 6010D
Silver	0.63	0.57		mg/kg	SW846 6010D
Vanadium	16.0	5.7		mg/kg	SW846 6010D
Zinc	82.9	5.7		mg/kg	SW846 6010D
Cyanide	0.48	0.25		mg/kg	SW846 9012B/LACHAT
JD35939-3A TT-SB-15-7.5-9.5					
Perfluorooctanoic acid [b]	1.7	0.54	0.27	ug/kg	EPA 537M BY ID
JD35939-4 TT-SB-16-7.5-9.5					
Total TIC, Semi-Volatile	400 J			ug/kg	
Aluminum	6240	57		mg/kg	SW846 6010D
Arsenic	2.4	2.3		mg/kg	SW846 6010D
Barium	33.7	23		mg/kg	SW846 6010D
Beryllium	0.51	0.23		mg/kg	SW846 6010D
Calcium	1340	570		mg/kg	SW846 6010D
Chromium	14.9	1.1		mg/kg	SW846 6010D
Cobalt	6.6	5.7		mg/kg	SW846 6010D
Copper	11.7	2.8		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		11200	57		mg/kg	SW846 6010D
Lead		8.7	2.3		mg/kg	SW846 6010D
Magnesium		2470	570		mg/kg	SW846 6010D
Manganese		167	1.7		mg/kg	SW846 6010D
Nickel		23.0	4.6		mg/kg	SW846 6010D
Vanadium		21.2	5.7		mg/kg	SW846 6010D
Zinc		32.2	5.7		mg/kg	SW846 6010D
JD35939-4A	**TT-SB-16-7.5-9.5**					
No hits reported in this sample.						
JD35939-5	**TT-SB-17-7.0-9.0**					
Benzo(a)anthracene		38.7	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		29.4 J	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		36.2	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		21.3 J	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		17.6 J	36	17	ug/kg	SW846 8270E
Chrysene		36.4	36	11	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		19.3 J	72	8.4	ug/kg	SW846 8270E
Fluoranthene		67.0	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		22.5 J	36	17	ug/kg	SW846 8270E
Phenanthrene		41.8	36	12	ug/kg	SW846 8270E
Pyrene		65.4	36	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		350 J			ug/kg	
Aluminum		4620	55		mg/kg	SW846 6010D
Arsenic		2.4	2.2		mg/kg	SW846 6010D
Barium		32.6	22		mg/kg	SW846 6010D
Beryllium		0.44	0.22		mg/kg	SW846 6010D
Calcium		1890	550		mg/kg	SW846 6010D
Chromium		12.9	1.1		mg/kg	SW846 6010D
Cobalt		5.7	5.5		mg/kg	SW846 6010D
Copper		13.0	2.7		mg/kg	SW846 6010D
Iron		9690	55		mg/kg	SW846 6010D
Lead		22.2	2.2		mg/kg	SW846 6010D
Magnesium		2050	550		mg/kg	SW846 6010D
Manganese		180	1.6		mg/kg	SW846 6010D
Nickel		21.8	4.4		mg/kg	SW846 6010D
Vanadium		17.5	5.5		mg/kg	SW846 6010D
Zinc		40.3	5.5		mg/kg	SW846 6010D
Cyanide		0.32	0.30		mg/kg	SW846 9012B/LACHAT

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35939-5A	**TT-SB-17-7.0-9.0**					
No hits reported in this sample.						
JD35939-6	**TT-SB-18-7.0-9.0**					
Acetone		4.1 J	9.3	3.9	ug/kg	SW846 8260D
Benzo(a)anthracene		22.2 J	37	10	ug/kg	SW846 8270E
Benzo(b)fluoranthene		18.5 J	37	16	ug/kg	SW846 8270E
Chrysene		17.5 J	37	12	ug/kg	SW846 8270E
Fluoranthene		35.2 J	37	17	ug/kg	SW846 8270E
Phenanthrene		14.7 J	37	12	ug/kg	SW846 8270E
Pyrene		28.7 J	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		430 J			ug/kg	
Aluminum		7770	55		mg/kg	SW846 6010D
Arsenic		7.7	2.2		mg/kg	SW846 6010D
Barium		34.3	22		mg/kg	SW846 6010D
Beryllium		0.60	0.22		mg/kg	SW846 6010D
Calcium		1960	550		mg/kg	SW846 6010D
Chromium		16.6	1.1		mg/kg	SW846 6010D
Cobalt		7.4	5.5		mg/kg	SW846 6010D
Copper		19.1	2.7		mg/kg	SW846 6010D
Iron		17900	55		mg/kg	SW846 6010D
Lead		33.9	2.2		mg/kg	SW846 6010D
Magnesium		2610	550		mg/kg	SW846 6010D
Manganese		181	1.6		mg/kg	SW846 6010D
Mercury		0.081	0.028		mg/kg	SW846 7471B
Nickel		16.8	4.4		mg/kg	SW846 6010D
Potassium		1420	1100		mg/kg	SW846 6010D
Silver		0.66	0.55		mg/kg	SW846 6010D
Vanadium		22.9	5.5		mg/kg	SW846 6010D
Zinc		53.8	5.5		mg/kg	SW846 6010D
JD35939-6A	**TT-SB-18-7.0-9.0**					
No hits reported in this sample.						
JD35939-7	**TT-SB-19-7.0-9.0**					
Benzo(a)anthracene		33.3 J	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		22.9 J	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		25.4 J	36	16	ug/kg	SW846 8270E
Chrysene		27.6 J	36	11	ug/kg	SW846 8270E
Fluoranthene		46.8	36	16	ug/kg	SW846 8270E
Phenanthrene		31.1 J	36	12	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Pyrene		46.1	36	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		280 J			ug/kg	
Aluminum		4200	56		mg/kg	SW846 6010D
Arsenic		2.9	2.2		mg/kg	SW846 6010D
Beryllium		0.33	0.22		mg/kg	SW846 6010D
Calcium		632	560		mg/kg	SW846 6010D
Chromium		8.2	1.1		mg/kg	SW846 6010D
Copper		11.6	2.8		mg/kg	SW846 6010D
Iron		9140	56		mg/kg	SW846 6010D
Lead		20.4	2.2		mg/kg	SW846 6010D
Magnesium		1290	560		mg/kg	SW846 6010D
Manganese		141	1.7		mg/kg	SW846 6010D
Mercury		0.64	0.036		mg/kg	SW846 7471B
Nickel		10.2	4.5		mg/kg	SW846 6010D
Vanadium		13.9	5.6		mg/kg	SW846 6010D
Zinc		27.8	5.6		mg/kg	SW846 6010D
JD35939-7A	**TT-SB-19-7.0-9.0**					
No hits reported in this sample.						
JD35939-8	**TT-SB-20-6.5-8.5**					
Benzo(a)anthracene		54.8	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		48.9	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		60.4	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		36.5 J	37	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		24.2 J	37	17	ug/kg	SW846 8270E
Chrysene		53.4	37	12	ug/kg	SW846 8270E
Fluoranthene		110	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		39.4	37	17	ug/kg	SW846 8270E
Phenanthrene		66.3	37	12	ug/kg	SW846 8270E
Pyrene		91.4	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		640 J			ug/kg	
Aluminum		3720	56		mg/kg	SW846 6010D
Arsenic		5.3	2.2		mg/kg	SW846 6010D
Barium		365	22		mg/kg	SW846 6010D
Beryllium		0.35	0.22		mg/kg	SW846 6010D
Calcium		1400	560		mg/kg	SW846 6010D
Chromium		12.3	1.1		mg/kg	SW846 6010D
Copper		61.1	2.8		mg/kg	SW846 6010D
Iron		11100	56		mg/kg	SW846 6010D
Lead		377	2.2		mg/kg	SW846 6010D
Magnesium		1760	560		mg/kg	SW846 6010D
Manganese		167	1.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.24	0.029		mg/kg	SW846 7471B
Nickel		17.9	4.5		mg/kg	SW846 6010D
Vanadium		15.4	5.6		mg/kg	SW846 6010D
Zinc		323	5.6		mg/kg	SW846 6010D
Cyanide		0.60	0.32		mg/kg	SW846 9012B/LACHAT
JD35939-8A	**TT-SB-20-6.5-8.5**					
No hits reported in this sample.						
JD35939-9	**TT-SB-21-6.5-8.5**					
Acetone		9.7	9.4	3.9	ug/kg	SW846 8260D
Benzo(a)anthracene		26.4 J	38	11	ug/kg	SW846 8270E
Benzo(a)pyrene		29.2 J	38	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		27.2 J	38	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		20.3 J	38	19	ug/kg	SW846 8270E
Chrysene		26.7 J	38	12	ug/kg	SW846 8270E
Fluoranthene		24.3 J	38	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		20.6 J	38	18	ug/kg	SW846 8270E
Phenanthrene		23.1 J	38	13	ug/kg	SW846 8270E
Pyrene		25.1 J	38	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		360 J			ug/kg	
Aluminum		9700	58		mg/kg	SW846 6010D
Arsenic		4.4	2.3		mg/kg	SW846 6010D
Barium		35.9	23		mg/kg	SW846 6010D
Beryllium		0.58	0.23		mg/kg	SW846 6010D
Calcium		1100	580		mg/kg	SW846 6010D
Chromium		14.4	1.2		mg/kg	SW846 6010D
Cobalt		6.6	5.8		mg/kg	SW846 6010D
Copper		12.8	2.9		mg/kg	SW846 6010D
Iron		16100	58		mg/kg	SW846 6010D
Lead		16.4	2.3		mg/kg	SW846 6010D
Magnesium		2300	580		mg/kg	SW846 6010D
Manganese		273	1.8		mg/kg	SW846 6010D
Mercury		0.067	0.029		mg/kg	SW846 7471B
Nickel		13.8	4.7		mg/kg	SW846 6010D
Vanadium		21.2	5.8		mg/kg	SW846 6010D
Zinc		35.8	5.8		mg/kg	SW846 6010D
JD35939-9A	**TT-SB-21-6.5-8.5**					
No hits reported in this sample.						

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD35939-10	**TT-SB-22-6.5-8.5**					
Acetone		5.1 J	8.9	3.7	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		300 J			ug/kg	
Aluminum		6780	58		mg/kg	SW846 6010D
Arsenic		4.6	2.3		mg/kg	SW846 6010D
Barium		32.8	23		mg/kg	SW846 6010D
Beryllium		0.54	0.23		mg/kg	SW846 6010D
Calcium		2650	580		mg/kg	SW846 6010D
Chromium		12.7	1.2		mg/kg	SW846 6010D
Cobalt		6.3	5.8		mg/kg	SW846 6010D
Copper		13.0	2.9		mg/kg	SW846 6010D
Iron		13600	58		mg/kg	SW846 6010D
Lead		15.2	2.3		mg/kg	SW846 6010D
Magnesium		2930	580		mg/kg	SW846 6010D
Manganese		258	1.8		mg/kg	SW846 6010D
Mercury		0.071	0.032		mg/kg	SW846 7471B
Nickel		15.0	4.7		mg/kg	SW846 6010D
Potassium		1200	1200		mg/kg	SW846 6010D
Vanadium		20.4	5.8		mg/kg	SW846 6010D
Zinc		40.3	5.8		mg/kg	SW846 6010D
JD35939-10A	**TT-SB-22-6.5-8.5**					
No hits reported in this sample.						
JD35939-11	**TT-SB-23-7.5-9.5**					
Acetone		7.0 J	9.5	3.9	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		420 J			ug/kg	
Aluminum		6910	58		mg/kg	SW846 6010D
Arsenic		3.4	2.3		mg/kg	SW846 6010D
Barium		42.4	23		mg/kg	SW846 6010D
Beryllium		0.52	0.23		mg/kg	SW846 6010D
Calcium		2540	580		mg/kg	SW846 6010D
Chromium		13.3	1.2		mg/kg	SW846 6010D
Cobalt		6.0	5.8		mg/kg	SW846 6010D
Copper		10.4	2.9		mg/kg	SW846 6010D
Iron		13300	58		mg/kg	SW846 6010D
Lead		11.7	2.3		mg/kg	SW846 6010D
Magnesium		2490	580		mg/kg	SW846 6010D
Manganese		257	1.7		mg/kg	SW846 6010D
Nickel		14.2	4.6		mg/kg	SW846 6010D
Vanadium		19.2	5.8		mg/kg	SW846 6010D
Zinc		29.5	5.8		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD35939
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 11/29/21 thru 11/30/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JD35939-11A TT-SB-23-7.5-9.5

No hits reported in this sample.

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Analysis performed at SGS Orlando, FL.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240285.D	1	12/02/21 12:07	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8.7	3.6	ug/kg	
71-43-2	Benzene	ND	0.43	0.39	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.37	ug/kg	
75-25-2	Bromoform	ND	4.3	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.3	0.66	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.7	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.46	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.53	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.40	ug/kg	
75-00-3	Chloroethane	ND	4.3	0.51	ug/kg	
67-66-3	Chloroform	ND	1.7	0.45	ug/kg	
74-87-3	Chloromethane	ND	4.3	1.7	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.57	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.48	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.87	0.36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.87	0.47	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.87	0.43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.87	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	0.63	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.87	0.43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.87	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.87	0.57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.87	0.73	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.87	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.40	ug/kg	
100-41-4	Ethylbenzene	ND	0.87	0.39	ug/kg	
76-13-1	Freon 113	ND	4.3	2.3	ug/kg	
591-78-6	2-Hexanone	ND	4.3	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.3	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.87	0.41	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.3	2.0	ug/kg	
75-09-2	Methylene chloride	ND	4.3	2.3	ug/kg	
100-42-5	Styrene	ND	1.7	0.35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.52	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.50	ug/kg	
108-88-3	Toluene	ND	0.87	0.45	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.48	ug/kg	
79-01-6	Trichloroethene	ND	0.87	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	0.59	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.42	ug/kg	
	m,p-Xylene	ND	0.87	0.78	ug/kg	
95-47-6	o-Xylene	ND	0.87	0.40	ug/kg	
1330-20-7	Xylene (total)	ND	0.87	0.40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		72-130%
17060-07-0	1,2-Dichloroethane-D4	104%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	98%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115518.D	1	12/05/21 18:32	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2	3E115530.D	20	12/06/21 16:33	KLS	12/03/21 12:30	OP36903	E3E5279

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2	30.9 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	1780	36	13	ug/kg	
208-96-8	Acenaphthylene	233	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	3060 [b]	730	450	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	10000 [b]	730	210	ug/kg	
50-32-8	Benzo(a)pyrene	9080 [b]	730	330	ug/kg	
205-99-2	Benzo(b)fluoranthene	11000 [b]	730	320	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6040 [b]	730	360	ug/kg	
207-08-9	Benzo(k)fluoranthene	4110 [b]	730	340	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	104	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	946	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	73	14	ug/kg	
218-01-9	Chrysene	9330 [b]	730	230	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1530 [b]	730	320	ug/kg	
132-64-9	Dibenzofuran	802	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	21600 [b]	730	320	ug/kg	
86-73-7	Fluorene	1420	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	6880 [b]	730	340	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	281	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	840	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	12400 [b]	730	240	ug/kg	
129-00-0	Pyrene	18800 [b]	730	230	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	17%	10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	44%	26%	10-105%
118-79-6	2,4,6-Tribromophenol	74%	43%	10-135%
4165-60-0	Nitrobenzene-d5	49%	27%	10-119%
321-60-8	2-Fluorobiphenyl	53%	33%	18-112%
1718-51-0	Terphenyl-d14	54%	34%	18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthacenedione	14.43	1100	ug/kg	J
	Unknown	14.52	760	ug/kg	J
	Unknown	14.66	1800	ug/kg	J
	Unknown PAH substance	15.02	3100	ug/kg	J
	Unknown	15.16	2500	ug/kg	J
	Unknown PAH substance	15.25	9500	ug/kg	J
	Unknown	15.47	870	ug/kg	J
	Unknown	15.62	2100	ug/kg	J
	Unknown	15.65	1100	ug/kg	J
	Unknown	15.73	1500	ug/kg	J
	Unknown	15.85	940	ug/kg	J
	Unknown	15.94	1800	ug/kg	J
	Unknown	16.08	780	ug/kg	J
	Unknown	16.28	720	ug/kg	J
	Unknown	16.37	1200	ug/kg	J
	Unknown	16.45	2100	ug/kg	J
	Unknown	16.51	770	ug/kg	J
	Unknown	16.59	3600	ug/kg	J
	Unknown PAH substance	16.87	2100	ug/kg	J
	Unknown PAH substance	16.92	2500	ug/kg	J
	Unknown PAH substance	17.23	2800	ug/kg	J
	Unknown	17.49	850	ug/kg	J
	Unknown	17.63	690	ug/kg	J
	Unknown	17.92	1800	ug/kg	J
	Dibenzopyrene	18.77	5300	ug/kg	J
	Total TIC, Semi-Volatile		52280	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-13-7.5-9.5
Lab Sample ID: JD35939-1
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 88.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105270.D	1	12/18/21 08:53	CS	12/03/21 12:30	OP36903A	E4M4891
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-107%
321-60-8	2-Fluorobiphenyl	60%		17-91%
1718-51-0	Terphenyl-d14	55%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134411.D	1	12/06/21 00:23	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.2	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.7	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	65%		10-125%
19719-28-9	2,4-DCAA	54%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171719.D	1	12/03/21 23:54	RK	12/02/21 12:00	OP36907	G1G5924
Run #2 [a]	1G171902.D	5	12/09/21 04:15	CP	12/02/21 12:00	OP36907	G1G5930

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2	16.6 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin [b]	5.3	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	0.62	ug/kg	
72-55-9	4,4'-DDE [b]	2.2	0.68	0.59	ug/kg	
50-29-3	4,4'-DDT	18.8	0.68	0.60	ug/kg	
72-20-8	Endrin [b]	10.4	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II [b]	12.3	0.68	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	98%	27-138%
877-09-8	Tetrachloro-m-xylene	77%	76%	27-138%
2051-24-3	Decachlorobiphenyl	156%	177%	10-179%
2051-24-3	Decachlorobiphenyl	1661% [c]	1246% [c]	10-179%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475256.D	1	12/06/21 17:51	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		24-152%
877-09-8	Tetrachloro-m-xylene	81%		24-152%
2051-24-3	Decachlorobiphenyl	161%		10-172%
2051-24-3	Decachlorobiphenyl	175% [a]		10-172%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7120	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	7.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	125	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.47	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	9560	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	18.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.1	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	82.5	2.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	15700	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	532	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	3230	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	239	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.41	0.036	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	24.8	4.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1200	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.74	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	21.2	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	360	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30119
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/09/21 00:43	EB	SW846 9012B/LACHAT
Solids, Percent	88.9		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51071.D	1	12/23/21 00:39	AFL	12/15/21 08:30	F:OP88850	F:S3Q714
Run #2							

	Initial Weight	Final Volume
Run #1	2.06 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13-7.5-9.5		
Lab Sample ID:	JD35939-1A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.9
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	91%		40-140%
	13C5-PFPeA	91%		50-150%
	13C5-PFHxA	91%		50-150%
	13C4-PFHpA	92%		50-150%
	13C8-PFOA	92%		50-150%
	13C9-PFNA	92%		50-150%
	13C6-PFDA	92%		50-150%
	13C7-PFUnDA	85%		40-140%
	13C2-PFDoDA	77%		40-140%
	13C2-PFTeDA	85%		30-130%
	13C3-PFBS	91%		50-150%
	13C3-PFHxS	92%		50-150%
	13C8-PFOS	90%		50-150%
	13C8-FOSA	77%		30-130%
	d3-MeFOSAA	105%		40-140%
	d5-EtFOSAA	109%		40-140%
	13C2-6:2FTS	87%		50-150%
	13C2-8:2FTS	93%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240286.D	1	12/02/21 12:28	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.6	ug/kg	
71-43-2	Benzene	ND	0.55	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.47	ug/kg	
75-25-2	Bromoform	ND	5.5	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.84	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.5	0.65	ug/kg	
67-66-3	Chloroform	ND	2.2	0.57	ug/kg	
74-87-3	Chloromethane	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.72	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.76	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.60	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.54	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	0.80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.67	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.50	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.3	ug/kg	

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.96	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.5	2.9	ug/kg	
100-42-5	Styrene	ND	2.2	0.44	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.66	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.53	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.61	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.75	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.99	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%
17060-07-0	1,2-Dichloroethane-D4	103%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	99%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115502.D	1	12/05/21 11:38	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	10.0	37	10	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.3	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	74	15	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	12.7	74	8.6	ug/kg	J
206-44-0	Fluoranthene	17.1	37	16	ug/kg	J
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	10.2	37	10	ug/kg	J
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	12.3	37	12	ug/kg	J
129-00-0	Pyrene	16.3	37	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-105%
118-79-6	2,4,6-Tribromophenol	62%		10-135%
4165-60-0	Nitrobenzene-d5	47%		10-119%
321-60-8	2-Fluorobiphenyl	49%		18-112%
1718-51-0	Terphenyl-d14	47%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	230	ug/kg	J
	System artifact/aldol-condensation	2.81	420	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	380	ug/kg	JN
	Total TIC, Semi-Volatile		380	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-14-7.5-9.5
Lab Sample ID: JD35939-2
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 89.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105229.D	1	12/17/21 14:55	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		10-107%
321-60-8	2-Fluorobiphenyl	57%		17-91%
1718-51-0	Terphenyl-d14	55%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134412.D	1	12/06/21 00:50	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	8.3	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.7	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	61%		10-125%
19719-28-9	2,4-DCAA	48%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171722.D	1	12/04/21 00:49	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	ND	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	ND	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		27-138%
877-09-8	Tetrachloro-m-xylene	86%		27-138%
2051-24-3	Decachlorobiphenyl	86%		10-179%
2051-24-3	Decachlorobiphenyl	160%		10-179%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475257.D	1	12/06/21 18:09	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		24-152%
877-09-8	Tetrachloro-m-xylene	71%		24-152%
2051-24-3	Decachlorobiphenyl	158%		10-172%
2051-24-3	Decachlorobiphenyl	163%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4360	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	35.8	22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.41	0.22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1840	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	9.6	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.9	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	26.0	2.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	11900	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	33.4	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	1160	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	181	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.051	0.036	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	16.5	4.4	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	15.4	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	44.4	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30119
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.32	0.29	mg/kg	1	12/09/21 00:45	EB	SW846 9012B/LACHAT
Solids, Percent	89		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51026.D	1	12/22/21 05:25	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.86	0.55	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14-7.5-9.5		
Lab Sample ID:	JD35939-2A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.0
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	108%		40-140%
	13C5-PFPeA	111%		50-150%
	13C5-PFHxA	112%		50-150%
	13C4-PFHpA	113%		50-150%
	13C8-PFOA	111%		50-150%
	13C9-PFNA	115%		50-150%
	13C6-PFDA	117%		50-150%
	13C7-PFUnDA	123%		40-140%
	13C2-PFDoDA	117%		40-140%
	13C2-PFTeDA	112%		30-130%
	13C3-PFBS	111%		50-150%
	13C3-PFHxS	112%		50-150%
	13C8-PFOS	109%		50-150%
	13C8-FOSA	122%		30-130%
	d3-MeFOSAA	121%		40-140%
	d5-EtFOSAA	117%		40-140%
	13C2-6:2FTS	107%		50-150%
	13C2-8:2FTS	108%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240287.D	1	12/02/21 12:48	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.9	11	4.6	ug/kg	J
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.63	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.48	ug/kg	
75-25-2	Bromoform	ND	5.6	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.86	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.58	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.74	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.63	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.56	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	0.81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.51	ug/kg	
76-13-1	Freon 113	ND	5.6	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.6	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.98	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.6	2.9	ug/kg	
100-42-5	Styrene	ND	2.2	0.45	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.65	ug/kg	
108-88-3	Toluene	ND	1.1	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.85	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.77	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.54	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	90%		81-121%
460-00-4	4-Bromofluorobenzene	99%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-15-7.5-9.5
Lab Sample ID: JD35939-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 89.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115503.D	1	12/05/21 12:07	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	68.5	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	48.1	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	68.7	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	28.3	36	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	30.2	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	5.4	72	4.9	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	5.4	72	5.2	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	72	14	ug/kg	
218-01-9	Chrysene	72.8	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	10.2	72	8.5	ug/kg	J
206-44-0	Fluoranthene	176	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	27.8	36	17	ug/kg	J
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	8.3	36	8.2	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	30.7	36	10	ug/kg	J
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	98.8	36	12	ug/kg	
129-00-0	Pyrene	156	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-105%
118-79-6	2,4,6-Tribromophenol	47%		10-135%
4165-60-0	Nitrobenzene-d5	34%		10-119%
321-60-8	2-Fluorobiphenyl	36%		18-112%
1718-51-0	Terphenyl-d14	33%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	200	ug/kg	J
	System artifact/aldol-condensation	2.81	1600	ug/kg	J
57-10-3	n-Hexadecanoic acid	10.18	150	ug/kg	JN
301-02-0	9-Octadecenamide, (Z)-	12.59	460	ug/kg	JN
	Total TIC, Semi-Volatile		610	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105230.D	1	12/17/21 15:16	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	42%		10-107%
321-60-8	2-Fluorobiphenyl	42%		17-91%
1718-51-0	Terphenyl-d14	39%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134413.D	1	12/06/21 01:18	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.7	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	126% [a]		10-125%
19719-28-9	2,4-DCAA	43%		10-125%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171723.D	1	12/04/21 01:07	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.61	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.60	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.67	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.71	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.74	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.74	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.74	0.51	ug/kg	
72-54-8	4,4'-DDD	ND	0.74	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	0.74	0.65	ug/kg	
50-29-3	4,4'-DDT	ND	0.74	0.65	ug/kg	
72-20-8	Endrin	ND	0.74	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		27-138%
877-09-8	Tetrachloro-m-xylene	95%		27-138%
2051-24-3	Decachlorobiphenyl	101%		10-179%
2051-24-3	Decachlorobiphenyl	99%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475260.D	1	12/06/21 19:01	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	16	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		24-152%
877-09-8	Tetrachloro-m-xylene	89%		24-152%
2051-24-3	Decachlorobiphenyl	91%		10-172%
2051-24-3	Decachlorobiphenyl	88%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3340	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.9	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	60.2	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.31	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	948	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	10.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.9	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	58.9	2.9	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	14900	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	160	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	989	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	246	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.61	0.033	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	17.2	4.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.63	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	16.0	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	82.9	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30119
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.48	0.25	mg/kg	1	12/09/21 00:46	EB	SW846 9012B/LACHAT
Solids, Percent	89.3		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51027.D	1	12/22/21 05:42	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.07 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.54	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.54	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.54	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	1.7	0.54	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.54	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.54	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.54	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.54	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.54	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.54	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.54	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.54	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.54	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.54	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.54	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.54	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-15-7.5-9.5		
Lab Sample ID:	JD35939-3A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.6

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	106%		40-140%
	13C5-PFPeA	108%		50-150%
	13C5-PFHxA	109%		50-150%
	13C4-PFHpA	111%		50-150%
	13C8-PFOA	111%		50-150%
	13C9-PFNA	114%		50-150%
	13C6-PFDA	115%		50-150%
	13C7-PFUnDA	118%		40-140%
	13C2-PFDoDA	112%		40-140%
	13C2-PFTeDA	110%		30-130%
	13C3-PFBS	108%		50-150%
	13C3-PFHxS	113%		50-150%
	13C8-PFOS	110%		50-150%
	13C8-FOSA	113%		30-130%
	d3-MeFOSAA	111%		40-140%
	d5-EtFOSAA	107%		40-140%
	13C2-6:2FTS	105%		50-150%
	13C2-8:2FTS	107%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240288.D	1	12/02/21 13:09	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8.4	3.5	ug/kg	
71-43-2	Benzene	ND	0.42	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	4.2	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.36	ug/kg	
75-25-2	Bromoform	ND	4.2	1.1	ug/kg	
74-83-9	Bromomethane	ND	4.2	0.64	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.4	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.45	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	4.2	0.50	ug/kg	
67-66-3	Chloroform	ND	1.7	0.44	ug/kg	
74-87-3	Chloromethane	ND	4.2	1.6	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.58	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.84	0.35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.84	0.46	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.84	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.84	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.2	0.61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.84	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.84	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.84	0.55	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.84	0.71	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.84	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.40	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	0.84	0.38	ug/kg	
76-13-1	Freon 113	ND	4.2	2.2	ug/kg	
591-78-6	2-Hexanone	ND	4.2	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.2	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.84	0.39	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	4.2	2.2	ug/kg	
100-42-5	Styrene	ND	1.7	0.34	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.50	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.49	ug/kg	
108-88-3	Toluene	ND	0.84	0.44	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.41	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.47	ug/kg	
79-01-6	Trichloroethene	ND	0.84	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.2	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.40	ug/kg	
	m,p-Xylene	ND	0.84	0.75	ug/kg	
95-47-6	o-Xylene	ND	0.84	0.39	ug/kg	
1330-20-7	Xylene (total)	ND	0.84	0.39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115504.D	1	12/05/21 12:32	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.4	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-105%
118-79-6	2,4,6-Tribromophenol	54%		10-135%
4165-60-0	Nitrobenzene-d5	41%		10-119%
321-60-8	2-Fluorobiphenyl	42%		18-112%
1718-51-0	Terphenyl-d14	45%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	200	ug/kg	J
	System artifact/aldol-condensation	2.81	210	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	400	ug/kg	JN
	Total TIC, Semi-Volatile		400	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105231.D	1	12/17/21 15:36	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	50%		10-107%
321-60-8	2-Fluorobiphenyl	47%		17-91%
1718-51-0	Terphenyl-d14	54%		17-105%

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134416.D	1	12/06/21 02:41	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.0	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	26%		10-125%
19719-28-9	2,4-DCAA	33%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171724.D	1	12/04/21 01:25	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.61	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.68	0.60	ug/kg	
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		27-138%
877-09-8	Tetrachloro-m-xylene	99%		27-138%
2051-24-3	Decachlorobiphenyl	81%		10-179%
2051-24-3	Decachlorobiphenyl	89%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475261.D	1	12/06/21 19:19	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		24-152%
877-09-8	Tetrachloro-m-xylene	101%		24-152%
2051-24-3	Decachlorobiphenyl	109%		10-172%
2051-24-3	Decachlorobiphenyl	102%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-16-7.5-9.5
Lab Sample ID: JD35939-4
Matrix: SO - Soil
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 88.7

4.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6240	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.4	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	33.7	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.51	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1340	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	14.9	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.6	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	11.7	2.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	11200	57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	8.7	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2470	570	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	167	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	23.0	4.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.57	0.57	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	21.2	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	32.2	5.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/09/21 00:47	EB	SW846 9012B/LACHAT
Solids, Percent	88.7		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.8

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51073.D	1	12/23/21 01:12	AFL	12/15/21 08:30	F:OP88850	F:S3Q714
Run #2							

	Initial Weight	Final Volume
Run #1	1.94 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-16-7.5-9.5		
Lab Sample ID:	JD35939-4A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.8

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	103%		40-140%
	13C5-PFPeA	103%		50-150%
	13C5-PFHxA	103%		50-150%
	13C4-PFHpA	103%		50-150%
	13C8-PFOA	105%		50-150%
	13C9-PFNA	105%		50-150%
	13C6-PFDA	106%		50-150%
	13C7-PFUnDA	104%		40-140%
	13C2-PFDoDA	106%		40-140%
	13C2-PFTeDA	103%		30-130%
	13C3-PFBS	103%		50-150%
	13C3-PFHxS	104%		50-150%
	13C8-PFOS	104%		50-150%
	13C8-FOSA	107%		30-130%
	d3-MeFOSAA	98%		40-140%
	d5-EtFOSAA	97%		40-140%
	13C2-6:2FTS	99%		50-150%
	13C2-8:2FTS	101%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240289.D	1	12/02/21 13:29	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8.4	3.5	ug/kg	
71-43-2	Benzene	ND	0.42	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	4.2	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.36	ug/kg	
75-25-2	Bromoform	ND	4.2	1.1	ug/kg	
74-83-9	Bromomethane	ND	4.2	0.64	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.4	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.45	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	4.2	0.50	ug/kg	
67-66-3	Chloroform	ND	1.7	0.44	ug/kg	
74-87-3	Chloromethane	ND	4.2	1.6	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.58	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.84	0.35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.84	0.46	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.84	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.84	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.2	0.61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.84	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.84	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.84	0.55	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.84	0.70	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.84	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.40	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	0.84	0.38	ug/kg	
76-13-1	Freon 113	ND	4.2	2.2	ug/kg	
591-78-6	2-Hexanone	ND	4.2	1.8	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.9

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.2	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.73	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.84	0.39	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	4.2	2.2	ug/kg	
100-42-5	Styrene	ND	1.7	0.34	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.50	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.49	ug/kg	
108-88-3	Toluene	ND	0.84	0.44	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.41	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.46	ug/kg	
79-01-6	Trichloroethene	ND	0.84	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.2	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.40	ug/kg	
	m,p-Xylene	ND	0.84	0.75	ug/kg	
95-47-6	o-Xylene	ND	0.84	0.38	ug/kg	
1330-20-7	Xylene (total)	ND	0.84	0.38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115505.D	1	12/05/21 12:57	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	38.7	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	29.4	36	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	36.2	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	21.3	36	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	17.6	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

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RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	72	14	ug/kg	
218-01-9	Chrysene	36.4	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	19.3	72	8.4	ug/kg	J
206-44-0	Fluoranthene	67.0	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	22.5	36	17	ug/kg	J
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	41.8	36	12	ug/kg	
129-00-0	Pyrene	65.4	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-109%

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-105%
118-79-6	2,4,6-Tribromophenol	66%		10-135%
4165-60-0	Nitrobenzene-d5	50%		10-119%
321-60-8	2-Fluorobiphenyl	52%		18-112%
1718-51-0	Terphenyl-d14	62%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	220	ug/kg	J
	System artifact/aldol-condensation	2.81	290	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	350	ug/kg	JN
	Total TIC, Semi-Volatile		350	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105232.D	1	12/17/21 15:57	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		10-107%
321-60-8	2-Fluorobiphenyl	60%		17-91%
1718-51-0	Terphenyl-d14	73%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134421.D	1	12/06/21 04:59	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	40%		10-125%
19719-28-9	2,4-DCAA	47%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-17-7.0-9.0
Lab Sample ID: JD35939-5
Matrix: SO - Soil
Method: SW846 8081B SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 90.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171725.D	1	12/04/21 01:44	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.48	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.66	0.53	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.66	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.66	0.45	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	0.66	0.57	ug/kg	
50-29-3	4,4'-DDT	ND	0.66	0.58	ug/kg	
72-20-8	Endrin	ND	0.66	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.66	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.66	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.66	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		27-138%
877-09-8	Tetrachloro-m-xylene	86%		27-138%
2051-24-3	Decachlorobiphenyl	67%		10-179%
2051-24-3	Decachlorobiphenyl	75%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.9

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475262.D	1	12/06/21 19:36	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		24-152%
877-09-8	Tetrachloro-m-xylene	80%		24-152%
2051-24-3	Decachlorobiphenyl	66%		10-172%
2051-24-3	Decachlorobiphenyl	83%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-17-7.0-9.0
Lab Sample ID: JD35939-5
Matrix: SO - Soil
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 11/29/21
Date Received: 11/30/21
Percent Solids: 90.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4620	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.4	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	32.6	22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.44	0.22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1890	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.9	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	5.7	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	13.0	2.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9690	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	22.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2050	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	180	1.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.033	0.033	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	21.8	4.4	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.55	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	17.5	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	40.3	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.32	0.30	mg/kg	1	12/09/21 00:49	EB	SW846 9012B/LACHAT
Solids, Percent	90.3		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51029.D	1	12/22/21 06:15	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.09 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.40	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.26	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.26	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.26	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.26	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.26	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.26	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.26	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.26	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.26	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.26	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.26	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.26	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.26	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.26	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17-7.0-9.0		
Lab Sample ID:	JD35939-5A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	116%		40-140%
	13C5-PFPeA	118%		50-150%
	13C5-PFHxA	119%		50-150%
	13C4-PFHpA	119%		50-150%
	13C8-PFOA	120%		50-150%
	13C9-PFNA	122%		50-150%
	13C6-PFDA	124%		50-150%
	13C7-PFUnDA	126%		40-140%
	13C2-PFDoDA	118%		40-140%
	13C2-PFTeDA	120%		30-130%
	13C3-PFBS	117%		50-150%
	13C3-PFHxS	119%		50-150%
	13C8-PFOS	116%		50-150%
	13C8-FOSA	130%		30-130%
	d3-MeFOSAA	135%		40-140%
	d5-EtFOSAA	132%		40-140%
	13C2-6:2FTS	114%		50-150%
	13C2-8:2FTS	115%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240291.D	1	12/02/21 14:10	PS	12/01/21 08:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.1	9.3	3.9	ug/kg	J
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.48	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-130%
17060-07-0	1,2-Dichloroethane-D4	108%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	94%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115506.D	1	12/05/21 13:23	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	22.2	37	10	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	18.5	37	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	74	15	ug/kg	
218-01-9	Chrysene	17.5	37	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.7	ug/kg	
206-44-0	Fluoranthene	35.2	37	17	ug/kg	J
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	14	ug/kg	
85-01-8	Phenanthrene	14.7	37	12	ug/kg	J
129-00-0	Pyrene	28.7	37	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-105%
118-79-6	2,4,6-Tribromophenol	56%		10-135%
4165-60-0	Nitrobenzene-d5	41%		10-119%
321-60-8	2-Fluorobiphenyl	42%		18-112%
1718-51-0	Terphenyl-d14	47%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	230	ug/kg	J
	System artifact/aldol-condensation	2.81	280	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	430	ug/kg	JN
	Total TIC, Semi-Volatile		430	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105233.D	1	12/17/21 16:18	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	51%		10-107%
321-60-8	2-Fluorobiphenyl	49%		17-91%
1718-51-0	Terphenyl-d14	57%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134422.D	1	12/06/21 05:26	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	36%		10-125%
19719-28-9	2,4-DCAA	35%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171726.D	1	12/04/21 02:02	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	ND	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	ND	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		27-138%
877-09-8	Tetrachloro-m-xylene	99%		27-138%
2051-24-3	Decachlorobiphenyl	91%		10-179%
2051-24-3	Decachlorobiphenyl	91%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475267.D	1	12/06/21 21:04	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		24-152%
877-09-8	Tetrachloro-m-xylene	106%		24-152%
2051-24-3	Decachlorobiphenyl	119%		10-172%
2051-24-3	Decachlorobiphenyl	103%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7770	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	7.7	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	34.3	22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.60	0.22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1960	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	16.6	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	7.4	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	19.1	2.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	17900	55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	33.9	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2610	550	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	181	1.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.081	0.028	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	16.8	4.4	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1420	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	0.66	0.55	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	22.9	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	53.8	5.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	12/09/21 01:00	EB	SW846 9012B/LACHAT
Solids, Percent	89.2		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51030.D	1	12/22/21 06:31	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.43	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18-7.0-9.0		
Lab Sample ID:	JD35939-6A	**Date Sampled:**	11/29/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	119%		40-140%
	13C5-PFPeA	122%		50-150%
	13C5-PFHxA	122%		50-150%
	13C4-PFHpA	124%		50-150%
	13C8-PFOA	123%		50-150%
	13C9-PFNA	125%		50-150%
	13C6-PFDA	129%		50-150%
	13C7-PFUnDA	133%		40-140%
	13C2-PFDoDA	121%		40-140%
	13C2-PFTeDA	122%		30-130%
	13C3-PFBS	120%		50-150%
	13C3-PFHxS	121%		50-150%
	13C8-PFOS	122%		50-150%
	13C8-FOSA	126%		30-130%
	d3-MeFOSAA	135%		40-140%
	d5-EtFOSAA	134%		40-140%
	13C2-6:2FTS	117%		50-150%
	13C2-8:2FTS	119%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240290.D	1	12/02/21 13:49	PS	12/01/21 09:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8.6	3.6	ug/kg	
71-43-2	Benzene	ND	0.43	0.39	ug/kg	
74-97-5	Bromochloromethane	ND	4.3	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.37	ug/kg	
75-25-2	Bromoform	ND	4.3	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.3	0.66	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.6	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.46	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.53	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.40	ug/kg	
75-00-3	Chloroethane	ND	4.3	0.51	ug/kg	
67-66-3	Chloroform	ND	1.7	0.45	ug/kg	
74-87-3	Chloromethane	ND	4.3	1.7	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.57	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.48	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.86	0.36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.86	0.47	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.86	0.43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.86	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.3	0.63	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.86	0.43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.86	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.86	0.56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.86	0.72	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.86	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.39	ug/kg	
100-41-4	Ethylbenzene	ND	0.86	0.39	ug/kg	
76-13-1	Freon 113	ND	4.3	2.3	ug/kg	
591-78-6	2-Hexanone	ND	4.3	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.3	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.75	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.86	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.3	2.0	ug/kg	
75-09-2	Methylene chloride	ND	4.3	2.3	ug/kg	
100-42-5	Styrene	ND	1.7	0.35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.52	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.50	ug/kg	
108-88-3	Toluene	ND	0.86	0.45	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.3	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.3	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.48	ug/kg	
79-01-6	Trichloroethene	ND	0.86	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.3	0.59	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.41	ug/kg	
	m,p-Xylene	ND	0.86	0.77	ug/kg	
95-47-6	o-Xylene	ND	0.86	0.39	ug/kg	
1330-20-7	Xylene (total)	ND	0.86	0.39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-130%
17060-07-0	1,2-Dichloroethane-D4	104%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115509.D	1	12/05/21 14:40	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	360	95	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	33.3	36	10	ug/kg	J
50-32-8	Benzo(a)pyrene	22.9	36	16	ug/kg	J
205-99-2	Benzo(b)fluoranthene	25.4	36	16	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.2	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	71	14	ug/kg	
218-01-9	Chrysene	27.6	36	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	8.3	ug/kg	
206-44-0	Fluoranthene	46.8	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	9.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.0	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	31.1	36	12	ug/kg	J
129-00-0	Pyrene	46.1	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-109%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-105%
118-79-6	2,4,6-Tribromophenol	54%		10-135%
4165-60-0	Nitrobenzene-d5	42%		10-119%
321-60-8	2-Fluorobiphenyl	43%		18-112%
1718-51-0	Terphenyl-d14	46%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	200	ug/kg	J
	System artifact/aldol-condensation	2.81	220	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	280	ug/kg	JN
	Total TIC, Semi-Volatile		280	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105234.D	1	12/17/21 16:39	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		10-107%
321-60-8	2-Fluorobiphenyl	50%		17-91%
1718-51-0	Terphenyl-d14	57%		17-105%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134423.D	1	12/06/21 05:54	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.7	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	47%		10-125%
19719-28-9	2,4-DCAA	45%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171727.D	1	12/04/21 02:20	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	ND	0.68	0.63	ug/kg	
72-55-9	4,4'-DDE	ND	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.68	0.61	ug/kg	
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		27-138%
877-09-8	Tetrachloro-m-xylene	92%		27-138%
2051-24-3	Decachlorobiphenyl	78%		10-179%
2051-24-3	Decachlorobiphenyl	84%		10-179%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475268.D	1	12/06/21 21:21	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		24-152%
877-09-8	Tetrachloro-m-xylene	91%		24-152%
2051-24-3	Decachlorobiphenyl	101%		10-172%
2051-24-3	Decachlorobiphenyl	88%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4200	56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.9	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	< 22	22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.33	0.22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	632	560	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	8.2	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.6	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	11.6	2.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9140	56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	20.4	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	1290	560	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	141	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.64	0.036	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	10.2	4.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.56	0.56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	13.9	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	27.8	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.28	0.28	mg/kg	1	12/09/21 01:01	EB	SW846 9012B/LACHAT
Solids, Percent	89.2		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51031.D	1	12/22/21 06:48	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19-7.0-9.0		
Lab Sample ID:	JD35939-7A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	112%		40-140%
	13C5-PFPeA	116%		50-150%
	13C5-PFHxA	115%		50-150%
	13C4-PFHpA	117%		50-150%
	13C8-PFOA	117%		50-150%
	13C9-PFNA	118%		50-150%
	13C6-PFDA	123%		50-150%
	13C7-PFUnDA	125%		40-140%
	13C2-PFDoDA	115%		40-140%
	13C2-PFTeDA	116%		30-130%
	13C3-PFBS	116%		50-150%
	13C3-PFHxS	117%		50-150%
	13C8-PFOS	118%		50-150%
	13C8-FOSA	114%		30-130%
	d3-MeFOSAA	92%		40-140%
	d5-EtFOSAA	97%		40-140%
	13C2-6:2FTS	108%		50-150%
	13C2-8:2FTS	111%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240295.D	1	12/02/21 15:32	PS	12/01/21 09:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.4	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.69	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.43	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.83	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.94	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.85	ug/kg	
95-47-6	o-Xylene	ND	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	104%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115510.D	1	12/05/21 15:06	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	190	24	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.0	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	54.8	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	48.9	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	60.4	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	36.5	37	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	24.2	37	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	74	15	ug/kg	
218-01-9	Chrysene	53.4	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.7	ug/kg	
206-44-0	Fluoranthene	110	37	17	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	39.4	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.4	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	66.3	37	12	ug/kg	
129-00-0	Pyrene	91.4	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	42%		10-105%
118-79-6	2,4,6-Tribromophenol	61%		10-135%
4165-60-0	Nitrobenzene-d5	47%		10-119%
321-60-8	2-Fluorobiphenyl	50%		18-112%
1718-51-0	Terphenyl-d14	53%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	230	ug/kg	J
	System artifact/aldol-condensation	2.81	260	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	640	ug/kg	JN
	Total TIC, Semi-Volatile		640	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105235.D	1	12/17/21 17:00	KLS	12/01/21 16:25	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-107%
321-60-8	2-Fluorobiphenyl	56%		17-91%
1718-51-0	Terphenyl-d14	63%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134424.D	1	12/06/21 06:22	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.0	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	42%		10-125%
19719-28-9	2,4-DCAA	40%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171728.D	1	12/04/21 02:38	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.58	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.49	ug/kg	
72-54-8	4,4'-DDD	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	ND	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	ND	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		27-138%
877-09-8	Tetrachloro-m-xylene	112%		27-138%
2051-24-3	Decachlorobiphenyl	98%		10-179%
2051-24-3	Decachlorobiphenyl	109%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475269.D	1	12/06/21 21:39	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		24-152%
877-09-8	Tetrachloro-m-xylene	100%		24-152%
2051-24-3	Decachlorobiphenyl	104%		10-172%
2051-24-3	Decachlorobiphenyl	99%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3720	56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	5.3	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	365	22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.35	0.22	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1400	560	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.3	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.6	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	61.1	2.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	11100	56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	377	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	1760	560	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	167	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.24	0.029	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	17.9	4.5	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.56	0.56	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	15.4	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	323	5.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.60	0.32	mg/kg	1	12/09/21 01:02	EB	SW846 9012B/LACHAT
Solids, Percent	88.2		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51032.D	1	12/22/21 07:04	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	1.96 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20-6.5-8.5		
Lab Sample ID:	JD35939-8A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	109%		40-140%
	13C5-PFPeA	112%		50-150%
	13C5-PFHxA	113%		50-150%
	13C4-PFHpA	114%		50-150%
	13C8-PFOA	113%		50-150%
	13C9-PFNA	113%		50-150%
	13C6-PFDA	118%		50-150%
	13C7-PFUnDA	121%		40-140%
	13C2-PFDoDA	111%		40-140%
	13C2-PFTeDA	114%		30-130%
	13C3-PFBS	110%		50-150%
	13C3-PFHxS	113%		50-150%
	13C8-PFOS	109%		50-150%
	13C8-FOSA	121%		30-130%
	d3-MeFOSAA	132%		40-140%
	d5-EtFOSAA	128%		40-140%
	13C2-6:2FTS	109%		50-150%
	13C2-8:2FTS	110%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240296.D	1	12/02/21 15:52	PS	12/01/21 09:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.7	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.4	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.43	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.94	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	106%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115511.D	1	12/05/21 15:31	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	76	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	76	24	ug/kg	
	3&4-Methylphenol	ND	76	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	76	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.1	ug/kg	
120-12-7	Anthracene	ND	38	23	ug/kg	
1912-24-9	Atrazine	ND	76	16	ug/kg	
56-55-3	Benzo(a)anthracene	26.4	38	11	ug/kg	J
50-32-8	Benzo(a)pyrene	29.2	38	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	27.2	38	17	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	20.3	38	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	9.2	ug/kg	
92-52-4	1,1'-Biphenyl	ND	76	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	9.0	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	76	5.5	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	76	15	ug/kg	
218-01-9	Chrysene	26.7	38	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	76	8.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	76	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	76	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	76	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	9.4	ug/kg	
84-66-2	Diethyl phthalate	ND	76	8.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	8.8	ug/kg	
206-44-0	Fluoranthene	24.3	38	17	ug/kg	J
86-73-7	Fluorene	ND	38	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	9.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	20.6	38	18	ug/kg	J
78-59-1	Isophorone	ND	76	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	8.5	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.9	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.5	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.8	ug/kg	
91-20-3	Naphthalene	ND	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	76	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	23.1	38	13	ug/kg	J
129-00-0	Pyrene	25.1	38	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	34%		10-105%
118-79-6	2,4,6-Tribromophenol	56%		10-135%
4165-60-0	Nitrobenzene-d5	39%		10-119%
321-60-8	2-Fluorobiphenyl	38%		18-112%
1718-51-0	Terphenyl-d14	43%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	190	ug/kg	J
	System artifact/aldol-condensation	2.81	280	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	360	ug/kg	JN
	Total TIC, Semi-Volatile		360	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105236.D	1	12/17/21 17:20	KLS	12/03/21 12:30	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		10-107%
321-60-8	2-Fluorobiphenyl	46%		17-91%
1718-51-0	Terphenyl-d14	53%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134425.D	1	12/06/21 06:49	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	8.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	2.2	ug/kg	
93-76-5	2,4,5-T	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	1189% [a]		10-125%
19719-28-9	2,4-DCAA	31%		10-125%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G171903.D	1	12/09/21 04:33	CP	12/02/21 12:00	OP36907	G1G5930
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.63	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.69	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.57	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.77	0.62	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.77	0.35	ug/kg	
60-57-1	Dieldrin	ND	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD	ND	0.77	0.71	ug/kg	
72-55-9	4,4'-DDE	ND	0.77	0.67	ug/kg	
50-29-3	4,4'-DDT	ND	0.77	0.68	ug/kg	
72-20-8	Endrin	ND	0.77	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.44	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.66	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.77	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.56	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%		27-138%
877-09-8	Tetrachloro-m-xylene	93%		27-138%
2051-24-3	Decachlorobiphenyl	69%		10-179%
2051-24-3	Decachlorobiphenyl	77%		10-179%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475270.D	1	12/06/21 21:56	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	25	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		24-152%
877-09-8	Tetrachloro-m-xylene	90%		24-152%
2051-24-3	Decachlorobiphenyl	92%		10-172%
2051-24-3	Decachlorobiphenyl	84%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9700	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.4	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	35.9	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.58	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	1100	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	14.4	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.6	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	12.8	2.9	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	16100	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	16.4	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2300	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	273	1.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.067	0.029	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	13.8	4.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	21.2	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	35.8	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

4.17

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.28	0.28	mg/kg	1	12/09/21 01:05	EB	SW846 9012B/LACHAT
Solids, Percent	85.6		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.18

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51033.D	1	12/22/21 07:21	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21-6.5-8.5		
Lab Sample ID:	JD35939-9A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	114%		40-140%
	13C5-PFPeA	117%		50-150%
	13C5-PFHxA	116%		50-150%
	13C4-PFHpA	116%		50-150%
	13C8-PFOA	117%		50-150%
	13C9-PFNA	117%		50-150%
	13C6-PFDA	122%		50-150%
	13C7-PFUnDA	126%		40-140%
	13C2-PFDoDA	116%		40-140%
	13C2-PFTeDA	115%		30-130%
	13C3-PFBS	117%		50-150%
	13C3-PFHxS	117%		50-150%
	13C8-PFOS	113%		50-150%
	13C8-FOSA	118%		30-130%
	d3-MeFOSAA	108%		40-140%
	d5-EtFOSAA	107%		40-140%
	13C2-6:2FTS	109%		50-150%
	13C2-8:2FTS	111%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240297.D	1	12/02/21 16:12	PS	12/01/21 09:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.1	8.9	3.7	ug/kg	J
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.38	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.9	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.41	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.53	ug/kg	
67-66-3	Chloroform	ND	1.8	0.46	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.59	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.89	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.89	0.49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.89	0.44	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.89	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.89	0.44	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.89	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.89	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.89	0.75	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.89	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.42	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.89	0.40	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.78	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.89	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.0	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.3	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.52	ug/kg	
108-88-3	Toluene	ND	0.89	0.47	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.43	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.49	ug/kg	
79-01-6	Trichloroethene	ND	0.89	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	0.61	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.43	ug/kg	
	m,p-Xylene	ND	0.89	0.80	ug/kg	
95-47-6	o-Xylene	ND	0.89	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	0.89	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-130%
17060-07-0	1,2-Dichloroethane-D4	106%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115512.D	1	12/05/21 15:57	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.4	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	78	5.6	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	78	15	ug/kg	
218-01-9	Chrysene	ND	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	9.1	ug/kg	
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.8	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	39	13	ug/kg	
129-00-0	Pyrene	ND	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-109%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	39%		10-105%
118-79-6	2,4,6-Tribromophenol	57%		10-135%
4165-60-0	Nitrobenzene-d5	44%		10-119%
321-60-8	2-Fluorobiphenyl	46%		18-112%
1718-51-0	Terphenyl-d14	50%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	240	ug/kg	J
	System artifact/aldol-condensation	2.81	390	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	300	ug/kg	JN
	Total TIC, Semi-Volatile		300	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105237.D	1	12/17/21 17:41	KLS	12/03/21 12:30	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.9	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		10-107%
321-60-8	2-Fluorobiphenyl	54%		17-91%
1718-51-0	Terphenyl-d14	61%		17-105%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134426.D	1	12/06/21 07:17	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	8.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	49%		10-125%
19719-28-9	2,4-DCAA	44%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171730.D	1	12/04/21 03:14	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.63	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.69	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.77	0.62	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.77	0.35	ug/kg	
60-57-1	Dieldrin	ND	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD	ND	0.77	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	0.77	0.67	ug/kg	
50-29-3	4,4'-DDT	ND	0.77	0.68	ug/kg	
72-20-8	Endrin	ND	0.77	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.66	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.77	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		27-138%
877-09-8	Tetrachloro-m-xylene	100%		27-138%
2051-24-3	Decachlorobiphenyl	89%		10-179%
2051-24-3	Decachlorobiphenyl	94%		10-179%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475271.D	1	12/06/21 22:14	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		24-152%
877-09-8	Tetrachloro-m-xylene	98%		24-152%
2051-24-3	Decachlorobiphenyl	103%		10-172%
2051-24-3	Decachlorobiphenyl	94%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6780	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	4.6	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	32.8	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.54	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	2650	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	12.7	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.3	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	13.0	2.9	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	13600	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	15.2	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2930	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	258	1.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.071	0.032	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	15.0	4.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	20.4	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	40.3	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	12/09/21 01:06	EB	SW846 9012B/LACHAT
Solids, Percent	84.8		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51034.D	1	12/22/21 07:38	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.45	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.59	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.59	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.59	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.59	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.59	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.59	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.59	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.59	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.59	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.59	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.59	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.59	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.59	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.59	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.59	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.59	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.59	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.59	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22-6.5-8.5		
Lab Sample ID:	JD35939-10A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	84.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	82%		40-140%
	13C5-PFPeA	85%		50-150%
	13C5-PFHxA	85%		50-150%
	13C4-PFHpA	87%		50-150%
	13C8-PFOA	85%		50-150%
	13C9-PFNA	85%		50-150%
	13C6-PFDA	88%		50-150%
	13C7-PFUnDA	91%		40-140%
	13C2-PFDoDA	84%		40-140%
	13C2-PFTeDA	86%		30-130%
	13C3-PFBS	83%		50-150%
	13C3-PFHxS	86%		50-150%
	13C8-PFOS	84%		50-150%
	13C8-FOSA	92%		30-130%
	d3-MeFOSAA	96%		40-140%
	d5-EtFOSAA	94%		40-140%
	13C2-6:2FTS	80%		50-150%
	13C2-8:2FTS	83%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240298.D	1	12/02/21 16:33	PS	12/01/21 09:00	n/a	VI9769
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.0	9.5	3.9	ug/kg	J
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.73	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.5	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.95	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.95	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.95	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.95	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.69	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.95	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.95	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.95	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.95	0.80	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.95	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.95	0.43	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.83	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.95	0.45	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.95	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.53	ug/kg	
79-01-6	Trichloroethene	ND	0.95	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.46	ug/kg	
	m,p-Xylene	ND	0.95	0.85	ug/kg	
95-47-6	o-Xylene	ND	0.95	0.44	ug/kg	
1330-20-7	Xylene (total)	ND	0.95	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-130%
17060-07-0	1,2-Dichloroethane-D4	104%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E115513.D	1	12/05/21 16:23	KLS	12/03/21 12:30	OP36903	E3E5278
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	76	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	76	24	ug/kg	
	3&4-Methylphenol	ND	76	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol [a]	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	76	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.1	ug/kg	
120-12-7	Anthracene	ND	38	23	ug/kg	
1912-24-9	Atrazine	ND	76	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	9.2	ug/kg	
92-52-4	1,1'-Biphenyl	ND	76	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	9.0	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	76	5.5	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	76	15	ug/kg	
218-01-9	Chrysene	ND	38	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	8.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	76	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	76	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	76	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	9.4	ug/kg	
84-66-2	Diethyl phthalate	ND	76	8.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	8.9	ug/kg	
206-44-0	Fluoranthene	ND	38	17	ug/kg	
86-73-7	Fluorene	ND	38	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	9.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	18	ug/kg	
78-59-1	Isophorone	ND	76	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	8.6	ug/kg	
88-74-4	2-Nitroaniline	ND	190	8.9	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.5	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.8	ug/kg	
91-20-3	Naphthalene	ND	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	76	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	38	13	ug/kg	
129-00-0	Pyrene	ND	38	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-105%
118-79-6	2,4,6-Tribromophenol	60%		10-135%
4165-60-0	Nitrobenzene-d5	47%		10-119%
321-60-8	2-Fluorobiphenyl	49%		18-112%
1718-51-0	Terphenyl-d14	53%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.74	230	ug/kg	J
	System artifact/aldol-condensation	2.81	750	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.59	420	ug/kg	JN
	Total TIC, Semi-Volatile		420	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105238.D	1	12/17/21 18:02	KLS	12/03/21 12:30	OP36903A	E4M4890
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-107%
321-60-8	2-Fluorobiphenyl	56%		17-91%
1718-51-0	Terphenyl-d14	65%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134427.D	1	12/06/21 07:44	CP	12/02/21 10:10	OP36906	G3G4903
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	8.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	78%		10-125%
19719-28-9	2,4-DCAA	70%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171731.D	1	12/04/21 03:33	RK	12/02/21 12:00	OP36907	G1G5924
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.75	0.62	ug/kg	
319-84-6	alpha-BHC	ND	0.75	0.61	ug/kg	
319-85-7	beta-BHC	ND	0.75	0.68	ug/kg	
319-86-8	delta-BHC	ND	0.75	0.72	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.75	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.75	0.61	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.75	0.34	ug/kg	
60-57-1	Dieldrin	ND	0.75	0.52	ug/kg	
72-54-8	4,4'-DDD	ND	0.75	0.69	ug/kg	
72-55-9	4,4'-DDE	ND	0.75	0.66	ug/kg	
50-29-3	4,4'-DDT	ND	0.75	0.67	ug/kg	
72-20-8	Endrin	ND	0.75	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.75	0.59	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.75	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.75	0.43	ug/kg	
33213-65-9	Endosulfan-II	ND	0.75	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.75	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.75	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	0.75	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		27-138%
877-09-8	Tetrachloro-m-xylene	102%		27-138%
2051-24-3	Decachlorobiphenyl	93%		10-179%
2051-24-3	Decachlorobiphenyl	94%		10-179%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475272.D	1	12/06/21 22:31	TL	12/02/21 12:00	OP36908	GXX7676
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	15	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	20	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		24-152%
877-09-8	Tetrachloro-m-xylene	100%		24-152%
2051-24-3	Decachlorobiphenyl	106%		10-172%
2051-24-3	Decachlorobiphenyl	92%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6910	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	3.4	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	42.4	23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.52	0.23	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	2540	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	13.3	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.0	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.4	2.9	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	13300	58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	11.7	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	2490	580	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	257	1.7	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	12/02/21	12/02/21	SB	SW846 7471B [1]	SW846 7471B [3]
Nickel	14.2	4.6	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	19.2	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	29.5	5.8	mg/kg	1	12/04/21	12/05/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51520
(2) Instrument QC Batch: MA51546
(3) Prep QC Batch: MP30120
(4) Prep QC Batch: MP30147

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
		Percent Solids:	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/09/21 01:08	EB	SW846 9012B/LACHAT
Solids, Percent	86.3		%	1	12/01/21 15:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51035.D	1	12/22/21 07:54	AFL	12/15/21 08:30	F:OP88850	F:S3Q713
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23-7.5-9.5		
Lab Sample ID:	JD35939-11A	**Date Sampled:**	11/30/21
Matrix:	SO - Soil	**Date Received:**	11/30/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		40-140%
	13C5-PFPeA	84%		50-150%
	13C5-PFHxA	84%		50-150%
	13C4-PFHpA	85%		50-150%
	13C8-PFOA	84%		50-150%
	13C9-PFNA	85%		50-150%
	13C6-PFDA	88%		50-150%
	13C7-PFUnDA	90%		40-140%
	13C2-PFDoDA	82%		40-140%
	13C2-PFTeDA	84%		30-130%
	13C3-PFBS	82%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	81%		50-150%
	13C8-FOSA	93%		30-130%
	d3-MeFOSAA	97%		40-140%
	d5-EtFOSAA	94%		40-140%
	13C2-6:2FTS	81%		50-150%
	13C2-8:2FTS	81%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SO
SW

CHAIN OF CUSTODY

Page __ of __

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #: —
Bottle Order Control #: JS-111121-141
SGS Quote #: —
SGS Job #: JD35939

Client / Reporting Information

Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City / State / Zip: PARSIPPANY NJ 07954
Project Contact / E-mail: BOB.CANTAGALLO@TETRATECH.COM
Phone #: 973.630 4045
Sampler(s) Name(s) / Phone #: A. VALI

Project Information

Project Name: 2ND AVE & 33RD St.
Street: —
City / State: BROOKLYN NY
Project #: —
Client Purchase Order #: —
Project Manager: —

Billing Information (if different from Report to)

Company Name: —
Street Address: —
City / State / Zip: — / — / —
Attention: —

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TT-SB-13-7.5-9.5	•	11/29/21	0910	AV	G		SO	6					3			3	✓	B28
2	TT-SB-14-7.5-9.5		11/29/21	1009	AV	G		SO	6					3			3	✓	P69
3	TT-SB-15-7.5-9.5		11/29/21	1109	AV	G		SO	6					3			3	✓	14G5
4	TT-SB-16-7.5-9.5		11/29/21	1211	AV	G		SO	6					3			3	✓	4929
5	TT-SB-17-7.0-9.0		11/29/21	1355	AV	G		SO	6					3			3	✓	
6	TT-SB-18-7.0-9.0		11/29/21	1456	AV	G		SO	6					3			3	✓	
7	TT-SB-19-7.0-9.0		11/30/21	0848	AV	G		SO	6					3			3	✓	
8	TT-SB-20-6.5-8.5		11/30/21	0930	AV	G		SO	6					3			3	✓	
9	TT-SB-21-6.5-8.5		11/30/21	1028	AV	G		SO	6					3			3	✓	
10	TT-SB-22-6.5-8.5		11/30/21	1133	AV	G		SO	6					3			3	✓	
11	TT-SB-23-7.5-9.5	•	11/30/21	1330	AV	G		SO	6					3			3	✓	

Requested Analysis columns: VOA260 TCL+20; ABN 8270 TCL+20; B8270 SIM 1,4 Dioxane; PEST 8081 TCL; PCB 8082 - PCB 11; STD 8151; C2 XMTAL; MTAL; SSTNY 21 LCID

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

3 X 5g Encore
Initial Assessment 3B EIN
Label Verification _____
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1	Date / Time:	Received By: 1	Relinquished By: 2	Date / Time:	Received By: 2
[signature]	11/30/21 1513	Joseph Adumpong	Joseph Adumpong	11/30/21 17:00	Jeemit Patel
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not Intact ☐ Absent	Therm ID: See Sample Receipt Summary / On Ice ☑ / Cooler Temp. °C: 1.3

5.1

SGS Sample Receipt Summary

Job Number: JD35939 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 11/30/2021 5:00:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.3);

Cooler Temps (Corrected) °C: Cooler 1: (-0.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

Job Change Order: JD35939

Requested Date:	12/13/2021	**Received Date:**	11/30/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD35939-ALL

Dept:

TAT: 7

Change:

Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD35939

Client / Reporting Information

Company Name:
Street Address:
City State Zip
Project Contact E-mail: jadon.schiller@sgs.com
Phone #:
Sampler(s) Name(s): AV Phone:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EnCore	LCID537NY21	LAB USE ONLY
1A	TT-SB-13-7.5-9.5		11/29/21	9:10:00 AM	AV	SO										X	
2A	TT-SB-14-7.5-9.5		11/29/21	10:09:00 AM	AV	SO										X	
3A	TT-SB-15-7.5-9.5		11/29/21	11:09:00 AM	AV	SO										X	
4A	TT-SB-16-7.5-9.5		11/29/21	12:11:00 PM	AV	SO										X	
5A	TT-SB-17-7.0-9.0		11/29/21	1:55:00 PM	AV	SO										X	
6A	TT-SB-18-7.0-9.0		11/29/21	2:56:00 PM	AV	SO										X	
7A	TT-SB-19-7.0-9.0		11/30/21	8:48:00 AM	AV	SO										X	
8A	TT-SB-20-6.5-8.5		11/30/21	9:36:00 AM	AV	SO										X	
9A	TT-SB-21-6.5-8.5		11/30/21	10:28:00 AM	AV	SO										X	
10A	TT-SB-22-6.5-8.5		11/30/21	11:33:00 AM	AV	SO										X	
11A	TT-SB-23-7.5-9.5		11/30/21	1:30:00 PM	AV	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

INITIAL ASSESSMENT
LABEL VERIFICATION

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1	Date / Time: 14:20 12/1/21	Received By: 1 FedEx	Relinquished By: 2	Date / Time: 15:10 12/1/21	Received By: 2		
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4		
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not Intact	Preserved where applicable ☐ Absent	☐ On Ice	Cooler Temp. °C 2.8, 1.6

Therm. ID:

jd35939.xls
Rev. Date: 4/10/18

JD35939: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD35939 **Client:** SGS NJ **Project:** 2ND AVENUE33-39TH STREET,BROOKLYN,NY

Date / Time Received: 12/2/2021 3:30:00 PM **Delivery Method:** FX **Airbill #'s:**

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 12/2/2021 3:30:00 PM Reviewer: _____ Date: _____

5.2

JD35939: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36084

Sampling Dates: 12/01/21 - 12/02/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 177

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

Sample Summary

Tetra Tech

Job No: JD36084

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36084-1	12/01/21	08:51	AV	12/02/21	SO	Soil	TT-SB-24-6.5-8.5
JD36084-1A	12/01/21	08:51	AV	12/02/21	SO	Soil	TT-SB-24-6.5-8.5
JD36084-2	12/01/21	09:52	AV	12/02/21	SO	Soil	TT-SB-25-7.0-9.0
JD36084-2A	12/01/21	09:52	AV	12/02/21	SO	Soil	TT-SB-25-7.0-9.0
JD36084-3	12/01/21	10:38	AV	12/02/21	SO	Soil	TT-SB-26-6.0-8.0
JD36084-3A	12/01/21	10:38	AV	12/02/21	SO	Soil	TT-SB-26-6.0-8.0
JD36084-4	12/01/21	11:47	AV	12/02/21	SO	Soil	TT-SB-27-5.0-7.0
JD36084-4A	12/01/21	11:47	AV	12/02/21	SO	Soil	TT-SB-27-5.0-7.0
JD36084-5	12/01/21	12:00	AV	12/02/21	SO	Soil	SDUP-02
JD36084-5A	12/01/21	12:00	AV	12/02/21	SO	Soil	SDUP-02
JD36084-6	12/01/21	13:47	AV	12/02/21	SO	Soil	TT-SB-28-7.0-9.0
JD36084-6A	12/01/21	13:47	AV	12/02/21	SO	Soil	TT-SB-28-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Tetra Tech

Job No: JD36084

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD36084-7	12/01/21	14:56	AV	12/02/21	SO	Soil	TT-SB-29-4.0-6.0
JD36084-7A	12/01/21	14:56	AV	12/02/21	SO	Soil	TT-SB-29-4.0-6.0
JD36084-8	12/02/21	08:53	AV	12/02/21	SO	Soil	TT-SB-30-7.0-9.0
JD36084-8A	12/02/21	08:53	AV	12/02/21	SO	Soil	TT-SB-30-7.0-9.0
JD36084-9	12/02/21	10:50	AV	12/02/21	SO	Soil	TT-SB-31-6.0-8.0
JD36084-9A	12/02/21	10:50	AV	12/02/21	SO	Soil	TT-SB-31-6.0-8.0
JD36084-10	12/02/21	11:47	AV	12/02/21	SO	Soil	TT-SB-32-7.0-9.0
JD36084-10A	12/02/21	11:47	AV	12/02/21	SO	Soil	TT-SB-32-7.0-9.0
JD36084-11	12/02/21	13:38	AV	12/02/21	SO	Soil	TT-SB-33-4.5-6.5
JD36084-11A	12/02/21	13:38	AV	12/02/21	SO	Soil	TT-SB-33-4.5-6.5

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No:**	JD36084
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/31/2021 12:35:54 P

On 12/02/2021, 11 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36084 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9771

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36084-1MS, JD36084-2DUP were used as the QC samples indicated.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88800

- The data for EPA 537M BY ID meets quality control requirements.
- JD36084-9A: Analysis performed at SGS Orlando, FL.
- JD36084-1A: Analysis performed at SGS Orlando, FL.
- JD36084-11A: Analysis performed at SGS Orlando, FL.
- JD36084-8A: Analysis performed at SGS Orlando, FL.
- JD36084-2A: Analysis performed at SGS Orlando, FL.
- JD36084-3A: Analysis performed at SGS Orlando, FL.
- JD36084-5A: Analysis performed at SGS Orlando, FL.
- JD36084-6A: Analysis performed at SGS Orlando, FL.
- JD36084-4A: Analysis performed at SGS Orlando, FL.
- JD36084-10A: Analysis performed at SGS Orlando, FL.
- JD36084-7A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36957

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36084-1MS, JD36084-1MSD were used as the QC samples indicated.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36957A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36084-2MS, JD36084-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36961

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36084-4MS, JD36084-4MSD were used as the QC samples indicated.
- JD36084-3: Had TBA cleanup. Confirmation run.
- JD36084-7: Confirmation run.
- JD36084-1: Had TBA cleanup. Confirmation run.
- OP36961-MB1: Had TBA cleanup.
- JD36084-5: Had TBA cleanup. Confirmation run.
- OP36961-BS1: Had TBA cleanup.
- JD36084-9: Confirmation run.
- OP36961-BS1 for 4,4'-DDD: Outside of in house control limits.
- JD36084-9, JD36084-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP36961-BS1 for Heptachlor epoxide: Outside of in house control limits. Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP36961-BS1 for alpha-BHC: Outside of in house control limits.
- OP36961-BS1 for Aldrin: Outside of in house control limits.
- OP36961-BS1 for 4,4'-DDT: Outside of in house control limits.
- OP36961-BS1 for 4,4'-DDE: Outside of in house control limits.
- OP36961-BS1 for 4,4'-DDD: Outside of in house control limits.
- JD36084-2 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Aldrin: This compound outside control limits biased high in the associated BS.
- JD36084-2 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-2 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for beta-BHC: Outside of in house control limits.
- JD36084-2 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Heptachlor: Outside of in house control limits.
- JD36084-10 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Endrin: This compound outside control limits biased high in the associated BS.
- JD36084-2 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-10 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-4 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Heptachlor: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Aldrin: This compound outside control limits biased high in the associated BS.
- JD36084-2 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-2 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Heptachlor: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for alpha-Chlordane: Outside of in house control limits.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36961

- JD36084-4 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Endrin: Outside of in house control limits.
- JD36084-4 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- JD36084-4 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-4 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for delta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Dieldrin: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-2 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-10 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Tetrachloro-m-xylene: Outside of in house control limits.
- JD36084-2 for delta-BHC: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Heptachlor epoxide: Outside of in house control limits.
- JD36084-2 for Dieldrin: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for gamma-Chlordane: Outside of in house control limits.
- OP36961-BS1 for gamma-BHC (Lindane): Outside of in house control limits.
- OP36961-BS1 for Endrin aldehyde: Outside of in house control limits.
- JD36084-4 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Endosulfan-II: Outside of in house control limits.
- JD36084-2 for Endrin: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Endosulfan-I: Outside of in house control limits.
- OP36961-BS1 for Endosulfan sulfate: Outside of in house control limits.
- OP36961-BS1 for Dieldrin: Outside of in house control limits.
- OP36961-BS1 for delta-BHC: Outside of in house control limits.
- JD36084-4 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-2 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-2 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- JD36084-6 for delta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- JD36084-8 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD36084-6 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Endrin: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-4 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-8 for Dieldrin: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Heptachlor: This compound outside control limits biased high in the associated BS.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36961

- JD36084-8 for delta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-6 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- JD36084-6 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Dieldrin: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Aldrin: This compound outside control limits biased high in the associated BS.
- JD36084-6 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-10 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-4 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Heptachlor: This compound outside control limits biased high in the associated BS.
- JD36084-8 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Endrin: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-8 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- JD36084-8 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-8 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-6 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-6 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Aldrin: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- JD36084-8 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-8 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-8 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-8 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Heptachlor: This compound outside control limits biased high in the associated BS.
- JD36084-10 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-11 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- JD36084-11 for gamma-BHC (Lindane): This compound outside control limits biased high in the associated BS.
- JD36084-11 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Heptachlor: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Heptachlor epoxide: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Methoxychlor: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- JD36084-6 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-10 for 4,4'-DDD: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Aldrin: This compound outside control limits biased high in the associated BS.
- OP36961-BS1 for Methoxychlor: Outside of in house control limits.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36961

- JD36084-10 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-10 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-10 for delta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Dieldrin: This compound outside control limits biased high in the associated BS.
- JD36084-11 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- JD36084-10 for gamma-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Endosulfan-II: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Endrin: This compound outside control limits biased high in the associated BS.
- JD36084-6 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Endrin: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Endrin aldehyde: This compound outside control limits biased high in the associated BS.
- JD36084-11 for 4,4'-DDE: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Aldrin: This compound outside control limits biased high in the associated BS.
- JD36084-11 for alpha-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-11 for alpha-Chlordane: This compound outside control limits biased high in the associated BS.
- JD36084-11 for beta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-11 for delta-BHC: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Dieldrin: This compound outside control limits biased high in the associated BS.
- JD36084-11 for Endosulfan sulfate: This compound outside control limits biased high in the associated BS.
- JD36084-10 for Endosulfan-I: This compound outside control limits biased high in the associated BS.
- JD36084-6 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.

Matrix: SO **Batch ID:** OP37171

- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36682-7MS, JD36682-7MSD were used as the QC samples indicated.
- JD36084-9: Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
- JD36084-3: Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
- JD36084-1: Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
- JD36084-7: Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
- JD36084-5: Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
- JD36084-9 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36084-9 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- JD36084-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36962

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36084-5MS, JD36084-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD36084-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP36962-MB1 for Decachlorobiphenyl: Outside of in house control limits.
- OP36962-MB1 for Tetrachloro-m-xylene: Outside of in house control limits.
- OP36962-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36084-9 for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36933

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36022-1MS, JD36022-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2,4,5-T, 2,4,5-TP (Silvex) are outside of in house control limits.
- Matrix Spike Duplicate Recovery(s) for 2,4,5-TP (Silvex) are outside of in house control limits.
- OP36933-BSD for 2,4,5-TP (Silvex): Analytical precision exceeds in-house control limits.
- OP36933-BS1 for 2,4,5-TP (Silvex): Outside of in house control limits.
- OP36933-BSD for 2,4-DCAA: Outside of in house control limits.
- OP36933-BS1 for 2,4,5-T: Outside of in house control limits.
- OP36933-BS1 for 2,4-DCAA: Outside of in house control limits.
- OP36933-BSD for 2,4-D: Analytical precision exceeds in-house control limits.
- OP36933-MS/MSD for 2,4-DCAA: Outside of in house control limits.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30189

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36039-1MS, JD36039-1MSD, JD36039-1PS, JD36039-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) fo rAluminum, Antimony, Iron are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for Serial Dilution for Cadmium, Cobalt, Lead, Potassium, Selenium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30190

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36076-1MS, JD36076-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN24481

- Sample(s) JD36081-39DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP37404

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36084-1DUP, JD36084-1MS, JD36084-2MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD36084
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/23/2021 9:58:16

On 12/02/2021, 11 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36084 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88800

Sample(s) FA90827-71MS, FA90827-71MSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives exceptas noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD36084
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/01/21 thru 12/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36084-1	**TT-SB-24-6.5-8.5**					
Acetone		19.1	10	4.2	ug/kg	SW846 8260D
o-Xylene		0.74 J	1.0	0.46	ug/kg	SW846 8260D
Xylene (total)		0.74 J	1.0	0.46	ug/kg	SW846 8260D
Acenaphthene		32.0 J	37	13	ug/kg	SW846 8270E
Acenaphthylene		23.4 J	37	19	ug/kg	SW846 8270E
Anthracene		91.4	37	22	ug/kg	SW846 8270E
Benzo(a)anthracene		381	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		364	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		454	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		258	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		160	37	17	ug/kg	SW846 8270E
Carbazole		28.4 J	73	5.3	ug/kg	SW846 8270E
Chrysene		381	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		86.3	37	16	ug/kg	SW846 8270E
Dibenzofuran		16.7 J	73	15	ug/kg	SW846 8270E
Fluoranthene		752	37	16	ug/kg	SW846 8270E
Fluorene		26.9 J	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		311	37	17	ug/kg	SW846 8270E
Phenanthrene		362	37	12	ug/kg	SW846 8270E
Pyrene		801	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		5400 J			ug/kg	
Aldrin [a]		1.9	0.65	0.54	ug/kg	SW846 8081B
gamma-BHC (Lindane) [a]		2.3	0.65	0.48	ug/kg	SW846 8081B
alpha-Chlordane [b]		2.8	0.65	0.53	ug/kg	SW846 8081B
gamma-Chlordane [a]		2.4	0.65	0.30	ug/kg	SW846 8081B
Dieldrin [a]		1.1	0.65	0.45	ug/kg	SW846 8081B
4,4'-DDD [b]		5.8	0.65	0.60	ug/kg	SW846 8081B
4,4'-DDE [b]		5.7	0.65	0.57	ug/kg	SW846 8081B
4,4'-DDT [c]		3.5	0.65	0.58	ug/kg	SW846 8081B
Endosulfan-II [b]		2.7	0.65	0.41	ug/kg	SW846 8081B
Heptachlor epoxide [a]		0.84	0.65	0.46	ug/kg	SW846 8081B
Aluminum		4260	56		mg/kg	SW846 6010D
Arsenic		2.8	2.3		mg/kg	SW846 6010D
Barium		49.9	23		mg/kg	SW846 6010D
Beryllium		0.24	0.23		mg/kg	SW846 6010D
Calcium		35300	1100		mg/kg	SW846 6010D
Chromium		10.3	1.1		mg/kg	SW846 6010D
Copper		12.6	2.8		mg/kg	SW846 6010D
Iron		9130	56		mg/kg	SW846 6010D
Lead		87.1	2.3		mg/kg	SW846 6010D
Magnesium		7890	560		mg/kg	SW846 6010D
Manganese		193	1.7		mg/kg	SW846 6010D
Mercury		0.24	0.029		mg/kg	SW846 7471B

Summary of Hits

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		17.2	4.5		mg/kg	SW846 6010D
Vanadium		15.1	5.6		mg/kg	SW846 6010D
Zinc		48.5	5.6		mg/kg	SW846 6010D
JD36084-1A	**TT-SB-24-6.5-8.5**					
No hits reported in this sample.						
JD36084-2	**TT-SB-25-7.0-9.0**					
Acenaphthene		21.8 J	36	12	ug/kg	SW846 8270E
Anthracene		48.0	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene		97.6	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		80.3	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		99.6	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		48.4	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		39.9	36	17	ug/kg	SW846 8270E
Carbazole		18.7 J	72	5.2	ug/kg	SW846 8270E
Chrysene		91.2	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		29.0 J	36	16	ug/kg	SW846 8270E
Fluoranthene		221	36	16	ug/kg	SW846 8270E
Fluorene		20.6 J	36	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		76.4	36	17	ug/kg	SW846 8270E
Phenanthrene		208	36	12	ug/kg	SW846 8270E
Pyrene		187	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		680 J			ug/kg	
Aluminum		6110	58		mg/kg	SW846 6010D
Arsenic		5.2	2.3		mg/kg	SW846 6010D
Barium		37.0	23		mg/kg	SW846 6010D
Beryllium		0.38	0.23		mg/kg	SW846 6010D
Calcium		1080	580		mg/kg	SW846 6010D
Chromium		11.7	1.2		mg/kg	SW846 6010D
Copper		37.5	2.9		mg/kg	SW846 6010D
Iron		11200	58		mg/kg	SW846 6010D
Lead		55.2	2.3		mg/kg	SW846 6010D
Magnesium		2180	580		mg/kg	SW846 6010D
Manganese		239	1.7		mg/kg	SW846 6010D
Mercury		0.079	0.034		mg/kg	SW846 7471B
Nickel		14.5	4.6		mg/kg	SW846 6010D
Vanadium		17.4	5.8		mg/kg	SW846 6010D
Zinc		50.9	5.8		mg/kg	SW846 6010D
Cyanide		1.9	0.22		mg/kg	SW846 9012B/LACHAT

Summary of Hits

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JD36084-2A	**TT-SB-25-7.0-9.0**					
No hits reported in this sample.						
JD36084-3	**TT-SB-26-6.0-8.0**					
Acetone		23.6	9.4	3.9	ug/kg	SW846 8260D
2-Butanone (MEK)		4.5 J	9.4	2.3	ug/kg	SW846 8260D
Carbon disulfide		0.81 J	1.9	0.50	ug/kg	SW846 8260D
Ethylbenzene		0.90 J	0.94	0.43	ug/kg	SW846 8260D
Isopropylbenzene		8.0	1.9	1.3	ug/kg	SW846 8260D
m,p-Xylene		1.3	0.94	0.85	ug/kg	SW846 8260D
o-Xylene		0.95	0.94	0.43	ug/kg	SW846 8260D
Xylene (total)		2.3	0.94	0.43	ug/kg	SW846 8260D
Total TIC, Volatile		2026 J			ug/kg	
Acenaphthene		3590	37	13	ug/kg	SW846 8270E
Acenaphthylene		25.6 J	37	19	ug/kg	SW846 8270E
Anthracene		153	37	22	ug/kg	SW846 8270E
Benzo(a)anthracene		96.4	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		74.5	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		99.2	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		55.6	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		30.5 J	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		26.3 J	73	5.0	ug/kg	SW846 8270E
Carbazole		96.6	73	5.3	ug/kg	SW846 8270E
Chrysene		98.9	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		32.6 J	37	16	ug/kg	SW846 8270E
Dibenzofuran		1570	73	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		68.6 J	73	8.5	ug/kg	SW846 8270E
Fluoranthene		415	37	16	ug/kg	SW846 8270E
Fluorene		1350	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		76.1	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene		446	37	8.3	ug/kg	SW846 8270E
Naphthalene		372	37	10	ug/kg	SW846 8270E
Phenanthrene		1810	37	12	ug/kg	SW846 8270E
Pyrene		328	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		10580 J			ug/kg	
alpha-BHC [a]		1.9	0.72	0.59	ug/kg	SW846 8081B
gamma-Chlordane [a]		2.0	0.72	0.33	ug/kg	SW846 8081B
4,4'-DDD [b]		17.9	0.72	0.66	ug/kg	SW846 8081B
4,4'-DDE [b]		5.4	0.72	0.63	ug/kg	SW846 8081B
Aluminum		4270	58		mg/kg	SW846 6010D
Arsenic		3.9	2.3		mg/kg	SW846 6010D
Barium		81.7	23		mg/kg	SW846 6010D
Beryllium		0.28	0.23		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD36084
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Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		29800	1200		mg/kg	SW846 6010D
Chromium		9.2	1.2		mg/kg	SW846 6010D
Copper		10.7	2.9		mg/kg	SW846 6010D
Iron		9130	58		mg/kg	SW846 6010D
Lead		53.6	2.3		mg/kg	SW846 6010D
Magnesium		8370	580		mg/kg	SW846 6010D
Manganese		582	1.7		mg/kg	SW846 6010D
Mercury		0.060	0.031		mg/kg	SW846 7471B
Nickel		12.6	4.6		mg/kg	SW846 6010D
Vanadium		21.4	5.8		mg/kg	SW846 6010D
Zinc		77.0	5.8		mg/kg	SW846 6010D
JD36084-3A	**TT-SB-26-6.0-8.0**					
No hits reported in this sample.						
JD36084-4	**TT-SB-27-5.0-7.0**					
Total TIC, Semi-Volatile		370 J			ug/kg	
Aluminum		7040	59		mg/kg	SW846 6010D
Arsenic		3.2	2.3		mg/kg	SW846 6010D
Barium		35.1	23		mg/kg	SW846 6010D
Beryllium		0.52	0.23		mg/kg	SW846 6010D
Calcium		1120	590		mg/kg	SW846 6010D
Chromium		12.7	1.2		mg/kg	SW846 6010D
Copper		11.3	2.9		mg/kg	SW846 6010D
Iron		11900	59		mg/kg	SW846 6010D
Lead		25.0	2.3		mg/kg	SW846 6010D
Magnesium		2080	590		mg/kg	SW846 6010D
Manganese		232	1.8		mg/kg	SW846 6010D
Nickel		13.4	4.7		mg/kg	SW846 6010D
Vanadium		21.1	5.9		mg/kg	SW846 6010D
Zinc		35.8	5.9		mg/kg	SW846 6010D
JD36084-4A	**TT-SB-27-5.0-7.0**					
Perfluorooctanesulfonic acid [d]		0.35 J	0.55	0.28	ug/kg	EPA 537M BY ID
JD36084-5	**SDUP-02**					
Acetone		14.9	9.1	3.8	ug/kg	SW846 8260D
Acenaphthene		53.5	36	12	ug/kg	SW846 8270E
Acenaphthylene		91.0	36	18	ug/kg	SW846 8270E
Anthracene		303	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene		1780	36	10	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD36084
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/01/21 thru 12/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(a)pyrene		1560	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		1940	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		892	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		690	36	17	ug/kg	SW846 8270E
Carbazole		45.3 J	72	5.2	ug/kg	SW846 8270E
Chrysene		1700	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		281	36	16	ug/kg	SW846 8270E
Dibenzofuran		24.5 J	72	15	ug/kg	SW846 8270E
Fluoranthene		3090	36	16	ug/kg	SW846 8270E
Fluorene		45.7	36	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		1110	36	17	ug/kg	SW846 8270E
Naphthalene		10.1 J	36	10	ug/kg	SW846 8270E
Phenanthrene		1050	36	12	ug/kg	SW846 8270E
Pyrene		3030	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		9060 J			ug/kg	
gamma-BHC (Lindane) [a]		2.1	0.68	0.50	ug/kg	SW846 8081B
4,4'-DDD [b]		3.2	0.68	0.63	ug/kg	SW846 8081B
4,4'-DDE [b]		3.1	0.68	0.60	ug/kg	SW846 8081B
Aluminum		4840	58		mg/kg	SW846 6010D
Arsenic		3.5	2.3		mg/kg	SW846 6010D
Barium		71.5	23		mg/kg	SW846 6010D
Beryllium		0.29	0.23		mg/kg	SW846 6010D
Calcium		25100	1200		mg/kg	SW846 6010D
Chromium		12.8	1.2		mg/kg	SW846 6010D
Copper		15.4	2.9		mg/kg	SW846 6010D
Iron		9810	58		mg/kg	SW846 6010D
Lead		115	2.3		mg/kg	SW846 6010D
Magnesium		6320	580		mg/kg	SW846 6010D
Manganese		195	1.7		mg/kg	SW846 6010D
Mercury		0.13	0.029		mg/kg	SW846 7471B
Nickel		16.7	4.6		mg/kg	SW846 6010D
Vanadium		15.1	5.8		mg/kg	SW846 6010D
Zinc		69.4	5.8		mg/kg	SW846 6010D
JD36084-5A	**SDUP-02**					
No hits reported in this sample.						
JD36084-6	**TT-SB-28-7.0-9.0**					
Acetone		9.7	9.3	3.9	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		200 J			ug/kg	
Aluminum		5460	57		mg/kg	SW846 6010D
Arsenic		2.8	2.3		mg/kg	SW846 6010D
Barium		29.5	23		mg/kg	SW846 6010D

Summary of Hits

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium		0.46	0.23		mg/kg	SW846 6010D
Calcium		1780	570		mg/kg	SW846 6010D
Chromium		12.7	1.1		mg/kg	SW846 6010D
Copper		9.3	2.9		mg/kg	SW846 6010D
Iron		11700	57		mg/kg	SW846 6010D
Lead		16.1	2.3		mg/kg	SW846 6010D
Magnesium		3260	570		mg/kg	SW846 6010D
Manganese		301	1.7		mg/kg	SW846 6010D
Nickel		19.8	4.6		mg/kg	SW846 6010D
Potassium		1100	1100		mg/kg	SW846 6010D
Vanadium		18.6	5.7		mg/kg	SW846 6010D
Zinc		34.2	5.7		mg/kg	SW846 6010D
JD36084-6A	**TT-SB-28-7.0-9.0**					
No hits reported in this sample.						
JD36084-7	**TT-SB-29-4.0-6.0**					
Acetone		4.7 J	10	4.2	ug/kg	SW846 8260D
Benzo(a)anthracene		43.9	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		33.8 J	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		50.4	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		18.2 J	37	18	ug/kg	SW846 8270E
Chrysene		44.0	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		21.4 J	37	16	ug/kg	SW846 8270E
Fluoranthene		80.3	37	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		40.9	37	17	ug/kg	SW846 8270E
Phenanthrene		36.8 J	37	12	ug/kg	SW846 8270E
Pyrene		81.4	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		320 J			ug/kg	
Aluminum		5590	55		mg/kg	SW846 6010D
Arsenic		3.1	2.2		mg/kg	SW846 6010D
Barium		31.1	22		mg/kg	SW846 6010D
Beryllium		0.49	0.22		mg/kg	SW846 6010D
Calcium		1660	550		mg/kg	SW846 6010D
Chromium		11.1	1.1		mg/kg	SW846 6010D
Copper		16.0	2.8		mg/kg	SW846 6010D
Iron		11200	55		mg/kg	SW846 6010D
Lead		13.4	2.2		mg/kg	SW846 6010D
Magnesium		2430	550		mg/kg	SW846 6010D
Manganese		276	1.7		mg/kg	SW846 6010D
Mercury		0.072	0.036		mg/kg	SW846 7471B
Nickel		13.4	4.4		mg/kg	SW846 6010D
Potassium		1100	1100		mg/kg	SW846 6010D

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Vanadium		17.0	5.5		mg/kg	SW846 6010D
Zinc		32.3	5.5		mg/kg	SW846 6010D
JD36084-7A	**TT-SB-29-4.0-6.0**					
No hits reported in this sample.						
JD36084-8	**TT-SB-30-7.0-9.0**					
Acetone		8.8 J	9.7	4.0	ug/kg	SW846 8260D
Anthracene		28.5 J	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene		75.6	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		65.5	36	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		81.0	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		39.8	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		28.7 J	36	17	ug/kg	SW846 8270E
Carbazole		12.3 J	73	5.3	ug/kg	SW846 8270E
Chrysene		77.7	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		27.0 J	36	16	ug/kg	SW846 8270E
Fluoranthene		151	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		59.0	36	17	ug/kg	SW846 8270E
Naphthalene		11.7 J	36	10	ug/kg	SW846 8270E
Phenanthrene		139	36	12	ug/kg	SW846 8270E
Pyrene		161	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		360 J			ug/kg	
Aluminum		5590	56		mg/kg	SW846 6010D
Arsenic		3.8	2.2		mg/kg	SW846 6010D
Barium		69.2	22		mg/kg	SW846 6010D
Beryllium		0.48	0.22		mg/kg	SW846 6010D
Calcium		4280	560		mg/kg	SW846 6010D
Chromium		13.4	1.1		mg/kg	SW846 6010D
Copper		126	2.8		mg/kg	SW846 6010D
Iron		12900	56		mg/kg	SW846 6010D
Lead		164	2.2		mg/kg	SW846 6010D
Magnesium		2720	560		mg/kg	SW846 6010D
Manganese		174	1.7		mg/kg	SW846 6010D
Mercury		0.26	0.037		mg/kg	SW846 7471B
Nickel		24.3	4.5		mg/kg	SW846 6010D
Potassium		1460	1100		mg/kg	SW846 6010D
Vanadium		19.6	5.6		mg/kg	SW846 6010D
Zinc		100	5.6		mg/kg	SW846 6010D
JD36084-8A	**TT-SB-30-7.0-9.0**					
No hits reported in this sample.						

Summary of Hits

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36084-9	**TT-SB-31-6.0-8.0**					
Acetone		4.3 J	8.4	3.5	ug/kg	SW846 8260D
Carbon disulfide		0.57 J	1.7	0.45	ug/kg	SW846 8260D
Acenaphthene		17.8 J	36	12	ug/kg	SW846 8270E
Anthracene		51.5	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene		381	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene		461	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		568	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		356	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		204	36	17	ug/kg	SW846 8270E
Carbazole		7.5 J	72	5.2	ug/kg	SW846 8270E
Chrysene		362	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		104	36	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		64.1 J	72	8.5	ug/kg	SW846 8270E
Fluoranthene		545	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		429	36	17	ug/kg	SW846 8270E
Phenanthrene		136	36	12	ug/kg	SW846 8270E
Pyrene		644	36	12	ug/kg	SW846 8270E
1,4-Dioxane		2.06 J	3.6	1.8	ug/kg	SW846 8270E BY SIM
Total TIC, Semi-Volatile		720 J			ug/kg	
alpha-Chlordane [e]		14.6	0.66	0.54	ug/kg	SW846 8081B
gamma-Chlordane [f]		21.2	0.66	0.30	ug/kg	SW846 8081B
Dieldrin [e]		4.1	0.66	0.46	ug/kg	SW846 8081B
4,4'-DDE [f]		6.8	0.66	0.58	ug/kg	SW846 8081B
4,4'-DDT [g]		2.7	0.66	0.59	ug/kg	SW846 8081B
Heptachlor [f]		3.2	0.66	0.57	ug/kg	SW846 8081B
Heptachlor epoxide [e]		3.0	0.66	0.47	ug/kg	SW846 8081B
Aluminum		4560	58		mg/kg	SW846 6010D
Barium		34.8	23		mg/kg	SW846 6010D
Beryllium		0.38	0.23		mg/kg	SW846 6010D
Calcium		8460	580		mg/kg	SW846 6010D
Chromium		10.9	1.2		mg/kg	SW846 6010D
Copper		15.4	2.9		mg/kg	SW846 6010D
Iron		10400	58		mg/kg	SW846 6010D
Lead		32.2	2.3		mg/kg	SW846 6010D
Magnesium		3060	580		mg/kg	SW846 6010D
Manganese		136	1.7		mg/kg	SW846 6010D
Mercury		0.038	0.030		mg/kg	SW846 7471B
Nickel		17.7	4.6		mg/kg	SW846 6010D
Vanadium		18.5	5.8		mg/kg	SW846 6010D
Zinc		46.4	5.8		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD36084
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/01/21 thru 12/02/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36084-9A	**TT-SB-31-6.0-8.0**					
No hits reported in this sample.						
JD36084-10	**TT-SB-32-7.0-9.0**					
Benzo(a)anthracene		14.9 J	38	11	ug/kg	SW846 8270E
Fluoranthene		17.2 J	38	17	ug/kg	SW846 8270E
Pyrene		17.7 J	38	12	ug/kg	SW846 8270E
1,4-Dioxane		2.09 J	3.8	1.9	ug/kg	SW846 8270E BY SIM
Aluminum		5170	62		mg/kg	SW846 6010D
Arsenic		2.7	2.5		mg/kg	SW846 6010D
Barium		48.3	25		mg/kg	SW846 6010D
Beryllium		0.46	0.25		mg/kg	SW846 6010D
Calcium		1910	620		mg/kg	SW846 6010D
Chromium		11.9	1.2		mg/kg	SW846 6010D
Copper		12.2	3.1		mg/kg	SW846 6010D
Iron		11500	62		mg/kg	SW846 6010D
Lead		19.4	2.5		mg/kg	SW846 6010D
Magnesium		2430	620		mg/kg	SW846 6010D
Manganese		274	1.8		mg/kg	SW846 6010D
Nickel		13.9	4.9		mg/kg	SW846 6010D
Potassium		1270	1200		mg/kg	SW846 6010D
Sodium		2510	1200		mg/kg	SW846 6010D
Vanadium		19.2	6.2		mg/kg	SW846 6010D
Zinc		36.2	6.2		mg/kg	SW846 6010D
JD36084-10A	**TT-SB-32-7.0-9.0**					
No hits reported in this sample.						
JD36084-11	**TT-SB-33-4.5-6.5**					
Acetone		17.0	9.9	4.1	ug/kg	SW846 8260D
Acenaphthene		27.8 J	35	12	ug/kg	SW846 8270E
Acenaphthylene		90.9	35	18	ug/kg	SW846 8270E
Anthracene		146	35	22	ug/kg	SW846 8270E
Benzo(a)anthracene		746	35	10	ug/kg	SW846 8270E
Benzo(a)pyrene		965	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		985	35	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		593	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		361	35	17	ug/kg	SW846 8270E
1,1'-Biphenyl		5.5 J	71	4.8	ug/kg	SW846 8270E
Carbazole		15.7 J	71	5.1	ug/kg	SW846 8270E
Chrysene		702	35	11	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD36084
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/01/21 thru 12/02/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Dibenzo(a,h)anthracene	157	35	16	ug/kg	SW846 8270E
Dibenzofuran	34.7 J	71	14	ug/kg	SW846 8270E
Fluoranthene	1200	35	16	ug/kg	SW846 8270E
Fluorene	35.8	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	735	35	17	ug/kg	SW846 8270E
2-Methylnaphthalene	8.7 J	35	8.0	ug/kg	SW846 8270E
Naphthalene	23.7 J	35	10	ug/kg	SW846 8270E
Phenanthrene	282	35	12	ug/kg	SW846 8270E
Pyrene	1350	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	4020 J			ug/kg	
Aluminum	5120	58		mg/kg	SW846 6010D
Arsenic	3.2	2.3		mg/kg	SW846 6010D
Barium	35.8	23		mg/kg	SW846 6010D
Beryllium	0.37	0.23		mg/kg	SW846 6010D
Calcium	1760	580		mg/kg	SW846 6010D
Chromium	12.0	1.2		mg/kg	SW846 6010D
Copper	22.7	2.9		mg/kg	SW846 6010D
Iron	10000	58		mg/kg	SW846 6010D
Lead	45.0	2.3		mg/kg	SW846 6010D
Magnesium	2180	580		mg/kg	SW846 6010D
Manganese	167	1.7		mg/kg	SW846 6010D
Mercury	0.10	0.034		mg/kg	SW846 7471B
Nickel	20.8	4.6		mg/kg	SW846 6010D
Vanadium	16.2	5.8		mg/kg	SW846 6010D
Zinc	47.9	5.8		mg/kg	SW846 6010D

JD36084-11A TT-SB-33-4.5-6.5

No hits reported in this sample.

(a) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time. More than 40 % RPD for detected concentrations between the two GC columns.
(b) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(c) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(d) Analysis performed at SGS Orlando, FL.
(e) Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time. More than 40 % RPD for detected concentrations between the two GC columns.
(f) Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(g) Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240355.D	1	12/04/21 14:01	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.1	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.77	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.69	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	0.74	1.0	0.46	ug/kg	J
1330-20-7	Xylene (total)	0.74	1.0	0.46	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		72-130%
17060-07-0	1,2-Dichloroethane-D4	104%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204086.D	1	12/06/21 19:24	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	32.0	37	13	ug/kg	J
208-96-8	Acenaphthylene	23.4	37	19	ug/kg	J
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	91.4	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	381	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	364	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	454	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	258	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	160	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	28.4	73	5.3	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	381	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	86.3	37	16	ug/kg	
132-64-9	Dibenzofuran	16.7	73	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	752	37	16	ug/kg	
86-73-7	Fluorene	26.9	37	17	ug/kg	J
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	311	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	362	37	12	ug/kg	
129-00-0	Pyrene	801	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-109%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	38%		10-105%
118-79-6	2,4,6-Tribromophenol	47%		10-135%
4165-60-0	Nitrobenzene-d5	36%		10-119%
321-60-8	2-Fluorobiphenyl	43%		18-112%
1718-51-0	Terphenyl-d14	46%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	160	ug/kg	J
	System artifact/aldol-condensation	3.27	210	ug/kg	J
13798-23-7	Sulfur	7.11	170	ug/kg	JN
	Sulfur	8.91	190	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	9.67	160	ug/kg	JN
	Unknown	10.06	150	ug/kg	J
	Anthracene dimethyl	10.53	190	ug/kg	J
	Unknown	10.65	180	ug/kg	J
	Unknown	10.70	170	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.88	3900	ug/kg	JN
	Unknown PAH substance	16.69	290	ug/kg	J
	Total TIC, Semi-Volatile		5400	ug/kg	J

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-24-6.5-8.5
Lab Sample ID: JD36084-1
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 90.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105390.D	1	12/22/21 07:06	CS	12/04/21 10:20	OP36957A	E4M4895
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		10-107%
321-60-8	2-Fluorobiphenyl	44%		17-91%
1718-51-0	Terphenyl-d14	49%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155527.D	1	12/10/21 05:07	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	7.9	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	46%		10-125%
19719-28-9	2,4-DCAA	33%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172467.D	1	12/31/21 00:43	RK	12/17/21 14:30	OP37171	G1G5954
Run #2 [b]	1G172004.D	1	12/13/21 08:32	CP	12/06/21 11:35	OP36961	G1G5934

	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2	15.5 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [c]	1.9	0.65	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.63	ug/kg	
58-89-9	gamma-BHC (Lindane) [c]	2.3	0.65	0.48	ug/kg	
5103-71-9	alpha-Chlordane	2.8	0.65	0.53	ug/kg	
5103-74-2	gamma-Chlordane [c]	2.4	0.65	0.30	ug/kg	
60-57-1	Dieldrin [c]	1.1	0.65	0.45	ug/kg	
72-54-8	4,4'-DDD	5.8	0.65	0.60	ug/kg	
72-55-9	4,4'-DDE	5.7	0.65	0.57	ug/kg	
50-29-3	4,4'-DDT [d]	3.5	0.65	0.58	ug/kg	
72-20-8	Endrin	ND	0.65	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.38	ug/kg	
33213-65-9	Endosulfan-II	2.7	0.65	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.56	ug/kg	
1024-57-3	Heptachlor epoxide [c]	0.84	0.65	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.65	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	125%	14-145%
877-09-8	Tetrachloro-m-xylene	100%	127%	14-145%
2051-24-3	Decachlorobiphenyl	87%	166%	10-197%
2051-24-3	Decachlorobiphenyl	206% [e]	286% [e]	10-197%

(a) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(b) Had TBA cleanup. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) More than 40 % RPD for detected concentrations between the two GC columns.
(d) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(e) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7030.D	1	12/08/21 08:56	RK	12/06/21 11:35	OP36962	GRK182
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		24-152%
877-09-8	Tetrachloro-m-xylene	105%		24-152%
2051-24-3	Decachlorobiphenyl	67%		10-172%
2051-24-3	Decachlorobiphenyl	177% [a]		10-172%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4260	56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	2.8	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	49.9	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.24	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	35300	1100	mg/kg	2	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	10.3	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.6	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	12.6	2.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9130	56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	87.1	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	7890	560	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	193	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.24	0.029	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [5]
Nickel	17.2	4.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.56	0.56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	15.1	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	48.5	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Instrument QC Batch: MA51564
(4) Prep QC Batch: MP30189
(5) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/09/21 03:03	EB	SW846 9012B/LACHAT
Solids, Percent	90.5		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82024.D	1	12/22/21 03:04	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24-6.5-8.5		
Lab Sample ID:	JD36084-1A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		40-140%
	13C5-PFPeA	88%		50-150%
	13C5-PFHxA	90%		50-150%
	13C4-PFHpA	92%		50-150%
	13C8-PFOA	92%		50-150%
	13C9-PFNA	92%		50-150%
	13C6-PFDA	90%		50-150%
	13C7-PFUnDA	87%		40-140%
	13C2-PFDoDA	92%		40-140%
	13C2-PFTeDA	98%		30-130%
	13C3-PFBS	86%		50-150%
	13C3-PFHxS	87%		50-150%
	13C8-PFOS	86%		50-150%
	13C8-FOSA	59%		30-130%
	d3-MeFOSAA	97%		40-140%
	d5-EtFOSAA	91%		40-140%
	13C2-6:2FTS	86%		50-150%
	13C2-8:2FTS	88%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240356.D	1	12/04/21 14:22	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.1	3.7	ug/kg	
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.69	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.1	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.53	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.59	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.91	0.49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.91	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.66	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.76	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.52	ug/kg	
108-88-3	Toluene	ND	0.91	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.91	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.91	0.81	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		72-130%
17060-07-0	1,2-Dichloroethane-D4	103%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-25-7.0-9.0
Lab Sample ID: JD36084-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204077.D	1	12/06/21 15:12	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	21.8	36	12	ug/kg	J
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	48.0	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	97.6	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	80.3	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	99.6	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	48.4	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	39.9	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	18.7	72	5.2	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-25-7.0-9.0
Lab Sample ID: JD36084-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.1

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	91.2	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	29.0	36	16	ug/kg	J
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.5	ug/kg	
206-44-0	Fluoranthene	221	36	16	ug/kg	
86-73-7	Fluorene	20.6	36	17	ug/kg	J
118-74-1	Hexachlorobenzene	ND	72	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	76.4	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	208	36	12	ug/kg	
129-00-0	Pyrene	187	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	50%		10-105%
118-79-6	2,4,6-Tribromophenol	59%		10-135%
4165-60-0	Nitrobenzene-d5	48%		10-119%
321-60-8	2-Fluorobiphenyl	54%		18-112%
1718-51-0	Terphenyl-d14	59%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	200	ug/kg	J
	System artifact/aldol-condensation	3.27	260	ug/kg	J
	Unknown	12.97	330	ug/kg	J
	Unknown	20.31	350	ug/kg	J
	Total TIC, Semi-Volatile		680	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105396.D	1	12/22/21 09:09	CS	12/04/21 10:20	OP36957A	E4M4895
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-107%
321-60-8	2-Fluorobiphenyl	55%		17-91%
1718-51-0	Terphenyl-d14	65%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155528.D	1	12/10/21 05:34	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	46%		10-125%
19719-28-9	2,4-DCAA	55%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171967.D	1	12/12/21 19:30	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.66	0.55	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC [a]	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC [a]	ND	0.66	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.66	0.49	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.66	0.54	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.66	0.30	ug/kg	
60-57-1	Dieldrin [a]	ND	0.66	0.46	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.66	0.59	ug/kg	
72-20-8	Endrin [a]	ND	0.66	0.52	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.66	0.52	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.66	0.38	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor [a]	ND	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.66	0.47	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.3	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	0.66	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		14-145%
877-09-8	Tetrachloro-m-xylene	58%		14-145%
2051-24-3	Decachlorobiphenyl	49%		10-197%
2051-24-3	Decachlorobiphenyl	55%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7031.D	1	12/08/21 09:13	RK	12/06/21 11:35	OP36962	GRK182
Run #2							

	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		24-152%
877-09-8	Tetrachloro-m-xylene	60%		24-152%
2051-24-3	Decachlorobiphenyl	35%		10-172%
2051-24-3	Decachlorobiphenyl	66%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6110	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	5.2	2.3	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	37.0	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.38	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	1080	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Chromium	11.7	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Copper	37.5	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	11200	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	55.2	2.3	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	2180	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	239	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.079	0.034	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [5]
Nickel	14.5	4.6	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	17.4	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	50.9	5.8	mg/kg	1	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Instrument QC Batch: MA51564
(4) Prep QC Batch: MP30189
(5) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	1.9	0.22	mg/kg	1	12/09/21 03:10	EB	SW846 9012B/LACHAT
Solids, Percent	89.1		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82025.D	1	12/22/21 03:22	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-25-7.0-9.0		
Lab Sample ID:	JD36084-2A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		40-140%
	13C5-PFPeA	88%		50-150%
	13C5-PFHxA	91%		50-150%
	13C4-PFHpA	93%		50-150%
	13C8-PFOA	93%		50-150%
	13C9-PFNA	92%		50-150%
	13C6-PFDA	95%		50-150%
	13C7-PFUnDA	94%		40-140%
	13C2-PFDoDA	95%		40-140%
	13C2-PFTeDA	97%		30-130%
	13C3-PFBS	88%		50-150%
	13C3-PFHxS	87%		50-150%
	13C8-PFOS	88%		50-150%
	13C8-FOSA	94%		30-130%
	d3-MeFOSAA	86%		40-140%
	d5-EtFOSAA	83%		40-140%
	13C2-6:2FTS	85%		50-150%
	13C2-8:2FTS	90%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-26-6.0-8.0
Lab Sample ID: JD36084-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240368.D	1	12/04/21 18:26	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.6	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	4.5	9.4	2.3	ug/kg	J
75-15-0	Carbon disulfide	0.81	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.69	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	0.90	0.94	0.43	ug/kg	J
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-26-6.0-8.0
Lab Sample ID: JD36084-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.8

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	8.0	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.83	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.94	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	1.3	0.94	0.85	ug/kg	
95-47-6	o-Xylene	0.95	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	2.3	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	Indane	9.96	280	ug/kg	JN
	C4 alkyl benzene	10.22	97	ug/kg	J
	C4 alkyl benzene	10.54	97	ug/kg	J
	alkane	10.92	130	ug/kg	J
	C5 alkyl benzene	10.99	82	ug/kg	J
	C5 alkyl benzene	11.22	110	ug/kg	J
	1H-indene-dihydro-dimethyl - isome	11.39	69	ug/kg	J
	alkane	11.45	190	ug/kg	J
	Naphthalene, tetrahydro -methyl- isomer	11.68	130	ug/kg	J
	1H-indene-dihydro-dimethyl - isome	11.78	120	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	11.90	170	ug/kg	J
	alkene	12.02	100	ug/kg	J
	Naphthalene, tetrahydro-dimethyl -isomer	12.18	71	ug/kg	J
	alkane	12.54	120	ug/kg	J
	Naphthalene, methyl-isomer	13.11	260	ug/kg	J
	Total TIC, Volatile		2026	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-26-6.0-8.0
Lab Sample ID: JD36084-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204089.D	1	12/06/21 20:40	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	3590	37	13	ug/kg	
208-96-8	Acenaphthylene	25.6	37	19	ug/kg	J
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	153	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	96.4	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	74.5	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	99.2	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	55.6	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	30.5	37	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	26.3	73	5.0	ug/kg	J
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	96.6	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID: TT-SB-26-6.0-8.0
Lab Sample ID: JD36084-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	98.9	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	32.6	37	16	ug/kg	J
132-64-9	Dibenzofuran	1570	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	68.6	73	8.5	ug/kg	J
206-44-0	Fluoranthene	415	37	16	ug/kg	
86-73-7	Fluorene	1350	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	76.1	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	446	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	372	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	1810	37	12	ug/kg	
129-00-0	Pyrene	328	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	45%		10-105%
118-79-6	2,4,6-Tribromophenol	52%		10-135%
4165-60-0	Nitrobenzene-d5	45%		10-119%
321-60-8	2-Fluorobiphenyl	51%		18-112%
1718-51-0	Terphenyl-d14	51%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	190	ug/kg	J
	System artifact/aldol-condensation	3.27	750	ug/kg	J
	Pyridine, -dimethyl-	3.96	310	ug/kg	J
496-11-7	Indane	4.66	310	ug/kg	JN
	Naphthalene tetrahydro-methyl	5.59	190	ug/kg	J
	Alkane	5.76	350	ug/kg	J
	Alkane	5.88	190	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	6.04	820	ug/kg	JN
	Naphthalene dimethyl	6.45	410	ug/kg	J
	Naphthalene dimethyl	6.52	440	ug/kg	J
	Alkane	6.58	270	ug/kg	J
	Naphthalene dimethyl	6.62	280	ug/kg	J
	Alkane	7.56	410	ug/kg	J
	[1,1'-Biphenyl]-carboxaldehyde	7.59	180	ug/kg	J
	Alkane	7.92	790	ug/kg	J
132-65-0	Dibenzothiophene	8.49	210	ug/kg	JN
	Alkane	9.30	180	ug/kg	J
	Anthracene methyl	9.54	210	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	9.67	220	ug/kg	JN
	Alkane	10.08	250	ug/kg	J
	Alkane	10.65	190	ug/kg	J
	Unknown	10.71	190	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.88	3300	ug/kg	JN
	Unknown	10.99	220	ug/kg	J
	Alkane	14.07	200	ug/kg	J
	Alkane	14.82	230	ug/kg	J
	Unknown	18.08	230	ug/kg	J
	Total TIC, Semi-Volatile		10580	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105391.D	1	12/22/21 07:26	CS	12/04/21 10:20	OP36957A	E4M4895
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		10-107%
321-60-8	2-Fluorobiphenyl	53%		17-91%
1718-51-0	Terphenyl-d14	58%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155529.D	1	12/10/21 06:03	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	38%		10-125%
19719-28-9	2,4-DCAA	30%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172468.D	1	12/31/21 01:01	RK	12/17/21 14:30	OP37171	G1G5954
Run #2 [b]	1G172005.D	1	12/13/21 08:50	CP	12/06/21 11:35	OP36961	G1G5934

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2	15.4 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.72	0.60	ug/kg	
319-84-6	alpha-BHC [c]	1.9	0.72	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane [c]	2.0	0.72	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.72	0.50	ug/kg	
72-54-8	4,4'-DDD	17.9	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	5.4	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	ND	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%	112%	14-145%
877-09-8	Tetrachloro-m-xylene	106%	106%	14-145%
2051-24-3	Decachlorobiphenyl	101%	104%	10-197%
2051-24-3	Decachlorobiphenyl	149%	137%	10-197%

(a) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(b) Had TBA cleanup. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.5

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7032.D	1	12/08/21 09:29	RK	12/06/21 11:35	OP36962	GRK182
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		24-152%
877-09-8	Tetrachloro-m-xylene	81%		24-152%
2051-24-3	Decachlorobiphenyl	56%		10-172%
2051-24-3	Decachlorobiphenyl	97%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4270	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	3.9	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	81.7	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.28	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	29800	1200	mg/kg	2	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	9.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	10.7	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9130	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	53.6	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	8370	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	582	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.060	0.031	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [5]
Nickel	12.6	4.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	21.4	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	77.0	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Instrument QC Batch: MA51564
(4) Prep QC Batch: MP30189
(5) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/09/21 03:12	EB	SW846 9012B/LACHAT
Solids, Percent	89.8		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82026.D	1	12/22/21 03:41	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.01 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-26-6.0-8.0		
Lab Sample ID:	JD36084-3A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.8
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		40-140%
	13C5-PFPeA	89%		50-150%
	13C5-PFHxA	92%		50-150%
	13C4-PFHpA	94%		50-150%
	13C8-PFOA	93%		50-150%
	13C9-PFNA	95%		50-150%
	13C6-PFDA	95%		50-150%
	13C7-PFUnDA	91%		40-140%
	13C2-PFDoDA	95%		40-140%
	13C2-PFTeDA	99%		30-130%
	13C3-PFBS	89%		50-150%
	13C3-PFHxS	88%		50-150%
	13C8-PFOS	89%		50-150%
	13C8-FOSA	89%		30-130%
	d3-MeFOSAA	89%		40-140%
	d5-EtFOSAA	86%		40-140%
	13C2-6:2FTS	86%		50-150%
	13C2-8:2FTS	93%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240357.D	1	12/04/21 14:42	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.3	3.8	ug/kg	
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.6	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.6	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.6	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.48	ug/kg	
74-87-3	Chloromethane	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.6	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.6	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.6	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.6	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.51	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.83	ug/kg	
95-47-6	o-Xylene	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204078.D	1	12/06/21 16:02	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-27-5.0-7.0
Lab Sample ID: JD36084-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.7

4.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.5	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	39%		10-105%
118-79-6	2,4,6-Tribromophenol	46%		10-135%
4165-60-0	Nitrobenzene-d5	37%		10-119%
321-60-8	2-Fluorobiphenyl	43%		18-112%
1718-51-0	Terphenyl-d14	47%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	160	ug/kg	J
	System artifact/aldol-condensation	3.27	190	ug/kg	J
	Unknown	12.98	370	ug/kg	J
	Total TIC, Semi-Volatile		370	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105421.D	1	12/23/21 00:18	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	50%		10-107%
321-60-8	2-Fluorobiphenyl	44%		17-91%
1718-51-0	Terphenyl-d14	51%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155530.D	1	12/10/21 06:31	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.2	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.7	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	21%		10-125%
19719-28-9	2,4-DCAA	17%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171969.D	1	12/12/21 20:06	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.74	0.61	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.74	0.60	ug/kg	
319-85-7	beta-BHC [a]	ND	0.74	0.67	ug/kg	
319-86-8	delta-BHC [a]	ND	0.74	0.71	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.74	0.55	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.74	0.60	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.74	0.34	ug/kg	
60-57-1	Dieldrin [a]	ND	0.74	0.51	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.74	0.68	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.74	0.65	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.74	0.66	ug/kg	
72-20-8	Endrin [a]	ND	0.74	0.58	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.74	0.58	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.74	0.42	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.74	0.43	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.74	0.46	ug/kg	
76-44-8	Heptachlor [a]	ND	0.74	0.64	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.74	0.52	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.5	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	129%		14-145%
877-09-8	Tetrachloro-m-xylene	130%		14-145%
2051-24-3	Decachlorobiphenyl	115%		10-197%
2051-24-3	Decachlorobiphenyl	128%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7033.D	1	12/08/21 09:46	RK	12/06/21 11:35	OP36962	GRK182
Run #2							

	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	24	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	16	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	146%		24-152%
877-09-8	Tetrachloro-m-xylene	142%		24-152%
2051-24-3	Decachlorobiphenyl	83%		10-172%
2051-24-3	Decachlorobiphenyl	124%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-27-5.0-7.0
Lab Sample ID: JD36084-4
Matrix: SO - Soil
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/01/21
Date Received: 12/02/21
Percent Solids: 89.7

4.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7040	59	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.2	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	35.1	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.52	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.59	0.59	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1120	590	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.7	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.9	5.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	11.3	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11900	59	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	25.0	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2080	590	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	232	1.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.029	0.029	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	13.4	4.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	21.1	5.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	35.8	5.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/09/21 03:13	EB	SW846 9012B/LACHAT
Solids, Percent	89.7		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82027.D	1	12/22/21 03:59	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.02 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.35	0.55	0.28	ug/kg	J
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27-5.0-7.0		
Lab Sample ID:	JD36084-4A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	82%		40-140%
	13C5-PFPeA	85%		50-150%
	13C5-PFHxA	88%		50-150%
	13C4-PFHpA	91%		50-150%
	13C8-PFOA	89%		50-150%
	13C9-PFNA	90%		50-150%
	13C6-PFDA	93%		50-150%
	13C7-PFUnDA	89%		40-140%
	13C2-PFDoDA	91%		40-140%
	13C2-PFTeDA	93%		30-130%
	13C3-PFBS	83%		50-150%
	13C3-PFHxS	85%		50-150%
	13C8-PFOS	87%		50-150%
	13C8-FOSA	88%		30-130%
	d3-MeFOSAA	68%		40-140%
	d5-EtFOSAA	69%		40-140%
	13C2-6:2FTS	81%		50-150%
	13C2-8:2FTS	87%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240358.D	1	12/04/21 15:02	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.9	9.1	3.8	ug/kg	
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.69	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.1	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.91	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.91	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.66	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.76	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.53	ug/kg	
108-88-3	Toluene	ND	0.91	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.91	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.91	0.81	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.42	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204090.D	1	12/06/21 21:05	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	53.5	36	12	ug/kg	
208-96-8	Acenaphthylene	91.0	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	303	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	1780	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	1560	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	1940	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	892	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	690	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	45.3	72	5.2	ug/kg	J

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	1700	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	281	36	16	ug/kg	
132-64-9	Dibenzofuran	24.5	72	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	8.5	ug/kg	
206-44-0	Fluoranthene	3090	36	16	ug/kg	
86-73-7	Fluorene	45.7	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1110	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	10.1	36	10	ug/kg	J
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	1050	36	12	ug/kg	
129-00-0	Pyrene	3030	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-109%

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Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-105%
118-79-6	2,4,6-Tribromophenol	59%		10-135%
4165-60-0	Nitrobenzene-d5	43%		10-119%
321-60-8	2-Fluorobiphenyl	53%		18-112%
1718-51-0	Terphenyl-d14	55%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	180	ug/kg	J
	System artifact/aldol-condensation	3.27	220	ug/kg	J
	Sulfur	8.93	200	ug/kg	J
	Anthracene methyl	9.50	250	ug/kg	J
	Phenanthrene methyl	9.54	320	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	9.68	500	ug/kg	JN
	Phenanthrene methyl	9.73	280	ug/kg	J
	Naphthalene phenyl	10.06	380	ug/kg	J
	Phenanthrene dimethyl	10.54	300	ug/kg	J
	Unknown	10.59	170	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.89	2900	ug/kg	JN
	11H-Benzofluorene	11.98	230	ug/kg	J
	11H-Benzofluorene	12.13	160	ug/kg	J
	Unknown ketone	13.08	170	ug/kg	J
	Benzonaphthothiophene	13.32	150	ug/kg	J
	Unknown	13.40	200	ug/kg	J
	Unknown	14.10	150	ug/kg	J
	Chrysene methyl	14.81	190	ug/kg	J
	Unknown PAH substance	16.38	400	ug/kg	J
	Unknown PAH substance	16.72	1100	ug/kg	J
	Unknown PAH substance	18.70	360	ug/kg	J
	Unknown PAH substance	19.10	290	ug/kg	J
	Unknown PAH substance	19.15	150	ug/kg	J
	Unknown PAH substance	19.51	210	ug/kg	J
	Total TIC, Semi-Volatile		9060	ug/kg	J

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105392.D	1	12/22/21 07:47	CS	12/04/21 10:20	OP36957A	E4M4895
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-107%
321-60-8	2-Fluorobiphenyl	53%		17-91%
1718-51-0	Terphenyl-d14	63%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.9

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155531.D	1	12/10/21 06:59	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	55%		10-125%
19719-28-9	2,4-DCAA	42%		10-125%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172469.D	1	12/31/21 01:19	RK	12/17/21 14:30	OP37171	G1G5954
Run #2 [b]	1G172006.D	1	12/13/21 09:08	CP	12/06/21 11:35	OP36961	G1G5934

	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2	15.6 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane) [c]	2.1	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD	3.2	0.68	0.63	ug/kg	
72-55-9	4,4'-DDE	3.1	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.68	0.61	ug/kg	
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	45%	57%	14-145%
877-09-8	Tetrachloro-m-xylene	42%	58%	14-145%
2051-24-3	Decachlorobiphenyl	33%	53%	10-197%
2051-24-3	Decachlorobiphenyl	63%	82%	10-197%

(a) Had TBA cleanup. Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(b) Had TBA cleanup. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7034.D	1	12/08/21 10:02	RK	12/06/21 11:35	OP36962	GRK182
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	17	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	23	ug/kg	
53469-21-9	Aroclor 1242	ND	35	15	ug/kg	
12672-29-6	Aroclor 1248	ND	35	32	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	40%		24-152%
877-09-8	Tetrachloro-m-xylene	39%		24-152%
2051-24-3	Decachlorobiphenyl	26%		10-172%
2051-24-3	Decachlorobiphenyl	45%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4840	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic	3.5	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Barium	71.5	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.29	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	25100	1200	mg/kg	2	12/06/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	12.8	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Copper	15.4	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	9810	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	115	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	6320	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	195	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.13	0.029	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [5]
Nickel	16.7	4.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Silver	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	15.1	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	69.4	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Instrument QC Batch: MA51564
(4) Prep QC Batch: MP30189
(5) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.9

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/09/21 03:14	EB	SW846 9012B/LACHAT
Solids, Percent	90.3		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82028.D	1	12/22/21 04:18	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SDUP-02		
Lab Sample ID:	JD36084-5A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		40-140%
	13C5-PFPeA	92%		50-150%
	13C5-PFHxA	95%		50-150%
	13C4-PFHpA	96%		50-150%
	13C8-PFOA	95%		50-150%
	13C9-PFNA	95%		50-150%
	13C6-PFDA	95%		50-150%
	13C7-PFUnDA	93%		40-140%
	13C2-PFDoDA	97%		40-140%
	13C2-PFTeDA	100%		30-130%
	13C3-PFBS	92%		50-150%
	13C3-PFHxS	90%		50-150%
	13C8-PFOS	89%		50-150%
	13C8-FOSA	70%		30-130%
	d3-MeFOSAA	92%		40-140%
	d5-EtFOSAA	89%		40-140%
	13C2-6:2FTS	89%		50-150%
	13C2-8:2FTS	96%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240359.D	1	12/04/21 15:23	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.7	9.3	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.48	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204079.D	1	12/06/21 16:27	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	5.1	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	74	5.4	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	8.6	ug/kg	
206-44-0	Fluoranthene	ND	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.6	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	14	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	ND	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-109%

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Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	35%		10-105%
118-79-6	2,4,6-Tribromophenol	39%		10-135%
4165-60-0	Nitrobenzene-d5	33%		10-119%
321-60-8	2-Fluorobiphenyl	37%		18-112%
1718-51-0	Terphenyl-d14	43%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	150	ug/kg	J
	System artifact/aldol-condensation	3.27	240	ug/kg	J
	Unknown	12.97	200	ug/kg	J
	Total TIC, Semi-Volatile		200	ug/kg	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105422.D	1	12/23/21 00:38	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	41%		10-107%
321-60-8	2-Fluorobiphenyl	39%		17-91%
1718-51-0	Terphenyl-d14	45%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155532.D	1	12/10/21 07:27	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	34%		10-125%
19719-28-9	2,4-DCAA	33%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171973.D	1	12/12/21 21:19	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC [a]	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC [a]	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.69	0.55	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin [a]	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.69	0.61	ug/kg	
72-20-8	Endrin [a]	ND	0.69	0.53	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor [a]	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		14-145%
877-09-8	Tetrachloro-m-xylene	74%		14-145%
2051-24-3	Decachlorobiphenyl	64%		10-197%
2051-24-3	Decachlorobiphenyl	67%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7094.D	1	12/08/21 20:04	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		24-152%
877-09-8	Tetrachloro-m-xylene	106%		24-152%
2051-24-3	Decachlorobiphenyl	65%		10-172%
2051-24-3	Decachlorobiphenyl	86%		10-172%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5460	57	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.8	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	29.5	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.46	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.57	0.57	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1780	570	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.7	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.7	5.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	9.3	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11700	57	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	16.1	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3260	570	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	301	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	19.8	4.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.57	0.57	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.6	5.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	34.2	5.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.22	0.22	mg/kg	1	12/09/21 03:16	EB	SW846 9012B/LACHAT
Solids, Percent	89.4		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82029.D	1	12/22/21 04:36	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	1.99 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.43	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-28-7.0-9.0		
Lab Sample ID:	JD36084-6A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	56%		40-140%
	13C5-PFPeA	79%		50-150%
	13C5-PFHxA	82%		50-150%
	13C4-PFHpA	83%		50-150%
	13C8-PFOA	82%		50-150%
	13C9-PFNA	82%		50-150%
	13C6-PFDA	86%		50-150%
	13C7-PFUnDA	85%		40-140%
	13C2-PFDoDA	85%		40-140%
	13C2-PFTeDA	88%		30-130%
	13C3-PFBS	80%		50-150%
	13C3-PFHxS	80%		50-150%
	13C8-PFOS	81%		50-150%
	13C8-FOSA	43%		30-130%
	d3-MeFOSAA	67%		40-140%
	d5-EtFOSAA	68%		40-140%
	13C2-6:2FTS	75%		50-150%
	13C2-8:2FTS	81%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240360.D	1	12/04/21 15:43	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.7	10	4.2	ug/kg	J
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.77	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.85	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

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RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.59	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.77	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.69	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.49	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204080.D	1	12/06/21 16:53	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	43.9	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	33.8	37	17	ug/kg	J
205-99-2	Benzo(b)fluoranthene	50.4	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	18.2	37	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	44.0	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	21.4	37	16	ug/kg	J
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	80.3	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	40.9	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	36.8	37	12	ug/kg	J
129-00-0	Pyrene	81.4	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		10-109%

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Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	35%		10-105%
118-79-6	2,4,6-Tribromophenol	42%		10-135%
4165-60-0	Nitrobenzene-d5	35%		10-119%
321-60-8	2-Fluorobiphenyl	41%		18-112%
1718-51-0	Terphenyl-d14	44%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.27	210	ug/kg	J
	Unknown	12.97	170	ug/kg	J
	Unknown	15.54	150	ug/kg	J
	Total TIC, Semi-Volatile		320	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105425.D	1	12/23/21 01:39	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	46%		10-107%
321-60-8	2-Fluorobiphenyl	43%		17-91%
1718-51-0	Terphenyl-d14	47%		17-105%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155533.D	1	12/10/21 07:54	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	45%		10-125%
19719-28-9	2,4-DCAA	50%		10-125%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172332.D	1	12/23/21 08:24	CP	12/17/21 14:30	OP37171	G1G5947
Run #2 [b]	1G171974.D	1	12/12/21 21:37	TL	12/06/21 11:35	OP36961	G1G5933

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2	16.0 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.64	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.52	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.57	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.70	0.62	ug/kg	
50-29-3	4,4'-DDT	ND	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	94%	14-145%
877-09-8	Tetrachloro-m-xylene	80%	96%	14-145%
2051-24-3	Decachlorobiphenyl	64%	89%	10-197%
2051-24-3	Decachlorobiphenyl	73%	96%	10-197%

(a) Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(b) Confirmation run.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7095.D	1	12/08/21 20:20	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		24-152%
877-09-8	Tetrachloro-m-xylene	117%		24-152%
2051-24-3	Decachlorobiphenyl	73%		10-172%
2051-24-3	Decachlorobiphenyl	103%		10-172%

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Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5590	55	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.1	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	31.1	22	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.49	0.22	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1660	550	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.1	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	16.0	2.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11200	55	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	13.4	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2430	550	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	276	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.072	0.036	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	13.4	4.4	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	17.0	5.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	32.3	5.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	12/09/21 03:17	EB	SW846 9012B/LACHAT
Solids, Percent	90.1		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82030.D	1	12/22/21 04:55	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.54	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.54	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.54	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.54	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.54	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.54	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.54	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.54	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.54	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.54	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.54	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.54	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.54	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.54	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.54	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.54	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.54	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

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Report of Analysis

Client Sample ID:	TT-SB-29-4.0-6.0		
Lab Sample ID:	JD36084-7A	**Date Sampled:**	12/01/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	81%		40-140%
	13C5-PFPeA	84%		50-150%
	13C5-PFHxA	86%		50-150%
	13C4-PFHpA	88%		50-150%
	13C8-PFOA	87%		50-150%
	13C9-PFNA	88%		50-150%
	13C6-PFDA	91%		50-150%
	13C7-PFUnDA	88%		40-140%
	13C2-PFDoDA	89%		40-140%
	13C2-PFTeDA	92%		30-130%
	13C3-PFBS	81%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	84%		50-150%
	13C8-FOSA	89%		30-130%
	d3-MeFOSAA	85%		40-140%
	d5-EtFOSAA	86%		40-140%
	13C2-6:2FTS	80%		50-150%
	13C2-8:2FTS	88%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240361.D	1	12/04/21 16:03	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.8	9.7	4.0	ug/kg	J
71-43-2	Benzene	ND	0.49	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.42	ug/kg	
75-25-2	Bromoform	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.58	ug/kg	
67-66-3	Chloroform	ND	1.9	0.51	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.97	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.97	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.9	2.1	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.9	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.97	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.9	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.58	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	
108-88-3	Toluene	ND	0.97	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.54	ug/kg	
79-01-6	Trichloroethene	ND	0.97	0.74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.47	ug/kg	
	m,p-Xylene	ND	0.97	0.87	ug/kg	
95-47-6	o-Xylene	ND	0.97	0.45	ug/kg	
1330-20-7	Xylene (total)	ND	0.97	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID: TT-SB-30-7.0-9.0
Lab Sample ID: JD36084-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 90.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204081.D	1	12/06/21 17:18	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	13	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	28.5	36	22	ug/kg	J
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	75.6	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	65.5	36	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	81.0	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	39.8	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	28.7	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	12.3	73	5.3	ug/kg	J

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Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	77.7	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	27.0	36	16	ug/kg	J
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.5	ug/kg	
206-44-0	Fluoranthene	151	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	59.0	36	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.6	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.1	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	11.7	36	10	ug/kg	J
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	139	36	12	ug/kg	
129-00-0	Pyrene	161	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		10-109%

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Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-105%
118-79-6	2,4,6-Tribromophenol	51%		10-135%
4165-60-0	Nitrobenzene-d5	44%		10-119%
321-60-8	2-Fluorobiphenyl	52%		18-112%
1718-51-0	Terphenyl-d14	54%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	180	ug/kg	J
	System artifact/aldol-condensation	3.27	470	ug/kg	J
	Unknown	12.97	360	ug/kg	J
	Total TIC, Semi-Volatile		360	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105423.D	1	12/23/21 00:59	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		10-107%
321-60-8	2-Fluorobiphenyl	53%		17-91%
1718-51-0	Terphenyl-d14	56%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155534.D	1	12/10/21 08:22	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.7	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	41%		10-125%
19719-28-9	2,4-DCAA	37%		10-125%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171975.D	1	12/12/21 21:55	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC [a]	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC [a]	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin [a]	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.69	0.61	ug/kg	
72-20-8	Endrin [a]	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor [a]	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	127%		14-145%
877-09-8	Tetrachloro-m-xylene	107%		14-145%
2051-24-3	Decachlorobiphenyl	108%		10-197%
2051-24-3	Decachlorobiphenyl	109%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

4.15

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7096.D	1	12/08/21 20:36	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	19	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	15	ug/kg	
37324-23-5	Aroclor 1262	ND	34	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		24-152%
877-09-8	Tetrachloro-m-xylene	112%		24-152%
2051-24-3	Decachlorobiphenyl	67%		10-172%
2051-24-3	Decachlorobiphenyl	97%		10-172%

ND = Not detected MDL = Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5590	56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.8	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	69.2	22	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.48	0.22	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4280	560	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	13.4	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	126	2.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	12900	56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	164	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2720	560	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	174	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.26	0.037	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	24.3	4.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1460	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	19.6	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	100	5.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/09/21 03:18	EB	SW846 9012B/LACHAT
Solids, Percent	90.1		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.16

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82031.D	1	12/22/21 05:13	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	1.95 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.43	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.57	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.57	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.57	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.57	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.57	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.57	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.57	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.57	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.57	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.57	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.57	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.57	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.57	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.57	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.57	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.57	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.57	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.57	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30-7.0-9.0		
Lab Sample ID:	JD36084-8A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	87%		40-140%
	13C5-PFPeA	90%		50-150%
	13C5-PFHxA	93%		50-150%
	13C4-PFHpA	96%		50-150%
	13C8-PFOA	94%		50-150%
	13C9-PFNA	95%		50-150%
	13C6-PFDA	98%		50-150%
	13C7-PFUnDA	95%		40-140%
	13C2-PFDoDA	96%		40-140%
	13C2-PFTeDA	98%		30-130%
	13C3-PFBS	90%		50-150%
	13C3-PFHxS	90%		50-150%
	13C8-PFOS	89%		50-150%
	13C8-FOSA	62%		30-130%
	d3-MeFOSAA	81%		40-140%
	d5-EtFOSAA	83%		40-140%
	13C2-6:2FTS	88%		50-150%
	13C2-8:2FTS	97%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-31-6.0-8.0
Lab Sample ID: JD36084-9
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 89.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240362.D	1	12/04/21 16:24	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.3	8.4	3.5	ug/kg	J
71-43-2	Benzene	ND	0.42	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	4.2	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.36	ug/kg	
75-25-2	Bromoform	ND	4.2	1.1	ug/kg	
74-83-9	Bromomethane	ND	4.2	0.65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.4	2.1	ug/kg	
75-15-0	Carbon disulfide	0.57	1.7	0.45	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.7	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	4.2	0.50	ug/kg	
67-66-3	Chloroform	ND	1.7	0.44	ug/kg	
74-87-3	Chloromethane	ND	4.2	1.7	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.47	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.84	0.36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.84	0.46	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.84	0.42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.84	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.2	0.61	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.84	0.42	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.84	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.84	0.55	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.84	0.71	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.84	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.40	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.39	ug/kg	
100-41-4	Ethylbenzene	ND	0.84	0.38	ug/kg	
76-13-1	Freon 113	ND	4.2	2.3	ug/kg	
591-78-6	2-Hexanone	ND	4.2	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.2	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.84	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	4.2	2.2	ug/kg	
100-42-5	Styrene	ND	1.7	0.34	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.51	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.49	ug/kg	
108-88-3	Toluene	ND	0.84	0.44	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.41	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.47	ug/kg	
79-01-6	Trichloroethene	ND	0.84	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.2	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.41	ug/kg	
	m,p-Xylene	ND	0.84	0.76	ug/kg	
95-47-6	o-Xylene	ND	0.84	0.39	ug/kg	
1330-20-7	Xylene (total)	ND	0.84	0.39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-31-6.0-8.0
Lab Sample ID: JD36084-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 89.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204091.D	1	12/06/21 21:31	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	17.8	36	12	ug/kg	J
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	51.5	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	381	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	461	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	568	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	356	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	204	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	7.5	72	5.2	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-31-6.0-8.0
Lab Sample ID: JD36084-9
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 89.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	362	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	104	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	64.1	72	8.5	ug/kg	J
206-44-0	Fluoranthene	545	36	16	ug/kg	
86-73-7	Fluorene	ND	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	429	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.2	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.4	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	136	36	12	ug/kg	
129-00-0	Pyrene	644	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		10-109%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	54%		10-105%
118-79-6	2,4,6-Tribromophenol	54%		10-135%
4165-60-0	Nitrobenzene-d5	51%		10-119%
321-60-8	2-Fluorobiphenyl	63%		18-112%
1718-51-0	Terphenyl-d14	65%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	210	ug/kg	J
	System artifact/aldol-condensation	3.28	850	ug/kg	J
	Unknown	12.99	170	ug/kg	J
	Unknown PAH substance	16.38	150	ug/kg	J
	Unknown PAH substance	16.71	400	ug/kg	J
	Total TIC, Semi-Volatile		720	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105393.D	1	12/22/21 08:07	CS	12/04/21 10:20	OP36957A	E4M4895
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.06	3.6	1.8	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		10-107%
321-60-8	2-Fluorobiphenyl	65%		17-91%
1718-51-0	Terphenyl-d14	74%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155538.D	1	12/10/21 10:13	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.6	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		10-125%
19719-28-9	2,4-DCAA	38%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172333.D	1	12/23/21 08:42	CP	12/17/21 14:30	OP37171	G1G5947
Run #2 [b]	1G171976.D	1	12/12/21 22:13	TL	12/06/21 11:35	OP36961	G1G5933

	Initial Weight	Final Volume
Run #1	16.8 g	10.0 ml
Run #2	15.6 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.66	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.66	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.66	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.66	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.66	0.49	ug/kg	
5103-71-9	alpha-Chlordane [c]	14.6	0.66	0.54	ug/kg	
5103-74-2	gamma-Chlordane	21.2	0.66	0.30	ug/kg	
60-57-1	Dieldrin [c]	4.1	0.66	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	0.66	0.61	ug/kg	
72-55-9	4,4'-DDE	6.8	0.66	0.58	ug/kg	
50-29-3	4,4'-DDT [d]	2.7	0.66	0.59	ug/kg	
72-20-8	Endrin	ND	0.66	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.66	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.66	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.66	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.66	0.41	ug/kg	
76-44-8	Heptachlor	3.2	0.66	0.57	ug/kg	
1024-57-3	Heptachlor epoxide [c]	3.0	0.66	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	0.66	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%	71%	14-145%
877-09-8	Tetrachloro-m-xylene	87%	60%	14-145%
2051-24-3	Decachlorobiphenyl	53%	106%	10-197%
2051-24-3	Decachlorobiphenyl	152%	534% [e]	10-197%

(a) Re-extracted due to BS outside in house QC limits. Originally prep date was within holding time.
(b) Confirmation run.
(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

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Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(d) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(e) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7097.D	1	12/08/21 20:53	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		24-152%
877-09-8	Tetrachloro-m-xylene	54%		24-152%
2051-24-3	Decachlorobiphenyl	44%		10-172%
2051-24-3	Decachlorobiphenyl	228% [a]		10-172%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4560	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	34.8	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.38	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	8460	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	10.9	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.8	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	15.4	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10400	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	32.2	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3060	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	136	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.038	0.030	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.7	4.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.5	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	46.4	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	12/09/21 03:20	EB	SW846 9012B/LACHAT
Solids, Percent	89.7		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.18

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82032.D	1	12/22/21 05:32	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31-6.0-8.0		
Lab Sample ID:	JD36084-9A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	89.7
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		40-140%
	13C5-PFPeA	86%		50-150%
	13C5-PFHxA	88%		50-150%
	13C4-PFHpA	90%		50-150%
	13C8-PFOA	90%		50-150%
	13C9-PFNA	90%		50-150%
	13C6-PFDA	88%		50-150%
	13C7-PFUnDA	84%		40-140%
	13C2-PFDoDA	89%		40-140%
	13C2-PFTeDA	96%		30-130%
	13C3-PFBS	86%		50-150%
	13C3-PFHxS	86%		50-150%
	13C8-PFOS	84%		50-150%
	13C8-FOSA	91%		30-130%
	d3-MeFOSAA	93%		40-140%
	d5-EtFOSAA	88%		40-140%
	13C2-6:2FTS	83%		50-150%
	13C2-8:2FTS	88%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-32-7.0-9.0
Lab Sample ID: JD36084-10
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 85.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240363.D	1	12/04/21 16:44	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.0	3.7	ug/kg	
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.69	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.0	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.41	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.53	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.59	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.90	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.90	0.49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.90	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.90	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.90	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.90	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.90	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.90	0.76	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.90	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.90	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.90	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.0	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.52	ug/kg	
108-88-3	Toluene	ND	0.90	0.47	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.90	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.43	ug/kg	
	m,p-Xylene	ND	0.90	0.81	ug/kg	
95-47-6	o-Xylene	ND	0.90	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	0.90	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	89%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204082.D	1	12/06/21 17:43	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	76	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	76	24	ug/kg	
	3&4-Methylphenol	ND	76	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	76	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	ND	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.2	ug/kg	
120-12-7	Anthracene	ND	38	23	ug/kg	
1912-24-9	Atrazine	ND	76	16	ug/kg	
56-55-3	Benzo(a)anthracene	14.9	38	11	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	9.3	ug/kg	
92-52-4	1,1'-Biphenyl	ND	76	5.2	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	9.0	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	76	5.5	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	76	15	ug/kg	
218-01-9	Chrysene	ND	38	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	8.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	76	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	38	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	38	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	76	32	ug/kg	
123-91-1	1,4-Dioxane	ND	38	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	17	ug/kg	
132-64-9	Dibenzofuran	ND	76	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	6.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	9.5	ug/kg	
84-66-2	Diethyl phthalate	ND	76	8.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	6.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	8.9	ug/kg	
206-44-0	Fluoranthene	17.2	38	17	ug/kg	J
86-73-7	Fluorene	ND	38	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	9.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	18	ug/kg	
78-59-1	Isophorone	ND	76	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	8.6	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.0	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.5	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.8	ug/kg	
91-20-3	Naphthalene	ND	38	11	ug/kg	
98-95-3	Nitrobenzene	ND	76	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	ND	38	13	ug/kg	
129-00-0	Pyrene	17.7	38	12	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-109%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	48%		10-105%
118-79-6	2,4,6-Tribromophenol	55%		10-135%
4165-60-0	Nitrobenzene-d5	47%		10-119%
321-60-8	2-Fluorobiphenyl	52%		18-112%
1718-51-0	Terphenyl-d14	60%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	190	ug/kg	J
	System artifact/aldol-condensation	3.27	280	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105424.D	1	12/23/21 01:19	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	2.09	3.8	1.9	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-107%
321-60-8	2-Fluorobiphenyl	54%		17-91%
1718-51-0	Terphenyl-d14	64%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155539.D	1	12/10/21 10:41	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	19	8.4	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.8	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.8	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	30%		10-125%
19719-28-9	2,4-DCAA	30%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171977.D	1	12/12/21 22:31	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.77	0.63	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.77	0.62	ug/kg	
319-85-7	beta-BHC [a]	ND	0.77	0.69	ug/kg	
319-86-8	delta-BHC [a]	ND	0.77	0.73	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.77	0.56	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.77	0.62	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.77	0.35	ug/kg	
60-57-1	Dieldrin [a]	ND	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.77	0.70	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.77	0.67	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.77	0.68	ug/kg	
72-20-8	Endrin [a]	ND	0.77	0.59	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.77	0.60	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.77	0.43	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.77	0.44	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor [a]	ND	0.77	0.66	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.77	0.54	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	120%		14-145%
877-09-8	Tetrachloro-m-xylene	119%		14-145%
2051-24-3	Decachlorobiphenyl	99%		10-197%
2051-24-3	Decachlorobiphenyl	109%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7098.D	1	12/08/21 21:09	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	142%		24-152%
877-09-8	Tetrachloro-m-xylene	141%		24-152%
2051-24-3	Decachlorobiphenyl	77%		10-172%
2051-24-3	Decachlorobiphenyl	156%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5170	62	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	2.7	2.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	48.3	25	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.46	0.25	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1910	620	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.9	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	12.2	3.1	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	11500	62	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	19.4	2.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2430	620	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	274	1.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.030	0.030	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	13.9	4.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1270	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	2510	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	19.2	6.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	36.2	6.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/09/21 03:24	EB	SW846 9012B/LACHAT
Solids, Percent	85.4		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.20

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82033.D	1	12/22/21 05:50	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	1.99 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.45	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.59	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.59	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.59	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.59	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.59	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.59	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.59	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.59	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.59	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.59	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.59	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.59	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.59	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.59	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.59	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.59	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.59	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.59	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32-7.0-9.0		
Lab Sample ID:	JD36084-10A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	85.4
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		40-140%
	13C5-PFPeA	90%		50-150%
	13C5-PFHxA	92%		50-150%
	13C4-PFHpA	93%		50-150%
	13C8-PFOA	94%		50-150%
	13C9-PFNA	94%		50-150%
	13C6-PFDA	95%		50-150%
	13C7-PFUnDA	94%		40-140%
	13C2-PFDoDA	94%		40-140%
	13C2-PFTeDA	96%		30-130%
	13C3-PFBS	87%		50-150%
	13C3-PFHxS	88%		50-150%
	13C8-PFOS	89%		50-150%
	13C8-FOSA	70%		30-130%
	d3-MeFOSAA	86%		40-140%
	d5-EtFOSAA	83%		40-140%
	13C2-6:2FTS	83%		50-150%
	13C2-8:2FTS	85%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-33-4.5-6.5
Lab Sample ID: JD36084-11
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240364.D	1	12/04/21 17:04	PS	12/03/21 08:00	n/a	VI9771
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.0	9.9	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.45	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.53	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.9	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.65	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.99	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.99	0.54	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.99	0.49	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.99	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.99	0.49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.99	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.99	0.65	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.99	0.83	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.99	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	0.99	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.87	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.99	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	0.99	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	0.99	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	0.99	0.89	ug/kg	
95-47-6	o-Xylene	ND	0.99	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	0.99	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-33-4.5-6.5
Lab Sample ID: JD36084-11
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F204085.D	1	12/06/21 18:59	KLS	12/04/21 10:20	OP36957	EF8943
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	27.8	35	12	ug/kg	J
208-96-8	Acenaphthylene	90.9	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	146	35	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	746	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	965	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	985	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	593	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	361	35	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	5.5	71	4.8	ug/kg	J
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	15.7	71	5.1	ug/kg	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	702	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	157	35	16	ug/kg	
132-64-9	Dibenzofuran	34.7	71	14	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	8.3	ug/kg	
206-44-0	Fluoranthene	1200	35	16	ug/kg	
86-73-7	Fluorene	35.8	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	735	35	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	8.7	35	8.0	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	23.7	35	10	ug/kg	J
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	282	35	12	ug/kg	
129-00-0	Pyrene	1350	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-105%
118-79-6	2,4,6-Tribromophenol	49%		10-135%
4165-60-0	Nitrobenzene-d5	38%		10-119%
321-60-8	2-Fluorobiphenyl	45%		18-112%
1718-51-0	Terphenyl-d14	50%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.22	160	ug/kg	J
	System artifact/aldol-condensation	3.27	200	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	9.67	250	ug/kg	JN
	Naphthalene phenyl	10.05	150	ug/kg	J
	Phenanthrene dimethyl	10.52	150	ug/kg	J
	Pyrene methyl	11.97	160	ug/kg	J
	Pyrene methyl	12.11	160	ug/kg	J
	Unknown	12.98	190	ug/kg	J
	Unknown	13.39	150	ug/kg	J
	Unknown	14.08	150	ug/kg	J
	Chrysene methyl	14.80	180	ug/kg	J
	Unknown PAH substance	16.36	270	ug/kg	J
	Unknown PAH substance	16.70	710	ug/kg	J
	Unknown	17.05	150	ug/kg	J
	Unknown PAH substance	18.68	260	ug/kg	J
	Unknown PAH substance	19.08	230	ug/kg	J
	Unknown PAH substance	19.49	210	ug/kg	J
	Unknown	19.94	240	ug/kg	J
	Unknown	20.25	410	ug/kg	J
	Total TIC, Semi-Volatile		4020	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-33-4.5-6.5
Lab Sample ID: JD36084-11
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/02/21
Date Received: 12/02/21
Percent Solids: 91.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105426.D	1	12/23/21 02:00	NAP	12/04/21 10:20	OP36957A	E4M4896
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.5	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		10-107%
321-60-8	2-Fluorobiphenyl	45%		17-91%
1718-51-0	Terphenyl-d14	52%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155540.D	1	12/10/21 11:09	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.0	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.6	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.6	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		10-125%
19719-28-9	2,4-DCAA	38%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G171978.D	1	12/12/21 22:49	TL	12/06/21 11:35	OP36961	G1G5933
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [a]	ND	0.72	0.60	ug/kg	
319-84-6	alpha-BHC [a]	ND	0.72	0.59	ug/kg	
319-85-7	beta-BHC [a]	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC [a]	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane [a]	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane [a]	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin [a]	ND	0.72	0.50	ug/kg	
72-54-8	4,4'-DDD [a]	ND	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE [a]	ND	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT [a]	ND	0.72	0.64	ug/kg	
72-20-8	Endrin [a]	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate [a]	ND	0.72	0.57	ug/kg	
7421-93-4	Endrin aldehyde [a]	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I [a]	ND	0.72	0.42	ug/kg	
33213-65-9	Endosulfan-II [a]	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor [a]	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide [a]	ND	0.72	0.51	ug/kg	
72-43-5	Methoxychlor [a]	ND	1.4	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		14-145%
877-09-8	Tetrachloro-m-xylene	67%		14-145%
2051-24-3	Decachlorobiphenyl	62%		10-197%
2051-24-3	Decachlorobiphenyl	175%		10-197%

(a) This compound outside control limits biased high in the associated BS.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7099.D	1	12/08/21 21:26	TL	12/06/21 11:35	OP36962	GRK183
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		24-152%
877-09-8	Tetrachloro-m-xylene	73%		24-152%
2051-24-3	Decachlorobiphenyl	48%		10-172%
2051-24-3	Decachlorobiphenyl	118%		10-172%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5120	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.2	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	35.8	23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.37	0.23	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1760	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	12.0	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.8	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	22.7	2.9	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10000	58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	45.0	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2180	580	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	167	1.7	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.10	0.034	mg/kg	1	12/06/21	12/06/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	20.8	4.6	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	16.2	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	47.9	5.8	mg/kg	1	12/06/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51535
(2) Instrument QC Batch: MA51558
(3) Prep QC Batch: MP30189
(4) Prep QC Batch: MP30190

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
		Percent Solids:	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	12/09/21 03:25	EB	SW846 9012B/LACHAT
Solids, Percent	91.5		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82036.D	1	12/22/21 06:46	AFL	12/13/21 09:00	F:OP88800	F:S2Q1159
Run #2							

	Initial Weight	Final Volume
Run #1	1.96 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33-4.5-6.5		
Lab Sample ID:	JD36084-11A	**Date Sampled:**	12/02/21
Matrix:	SO - Soil	**Date Received:**	12/02/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	91.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		40-140%
	13C5-PFPeA	86%		50-150%
	13C5-PFHxA	89%		50-150%
	13C4-PFHpA	90%		50-150%
	13C8-PFOA	89%		50-150%
	13C9-PFNA	86%		50-150%
	13C6-PFDA	83%		50-150%
	13C7-PFUnDA	79%		40-140%
	13C2-PFDoDA	88%		40-140%
	13C2-PFTeDA	96%		30-130%
	13C3-PFBS	87%		50-150%
	13C3-PFHxS	86%		50-150%
	13C8-PFOS	85%		50-150%
	13C8-FOSA	51%		30-130%
	d3-MeFOSAA	79%		40-140%
	d5-EtFOSAA	78%		40-140%
	13C2-6:2FTS	83%		50-150%
	13C2-8:2FTS	80%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

Page __ of __

FED-EX Tracking #:
Bottle Order Control #: JB 111121 141
SGS Quote #:
SGS Job #: JD36084

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: TETRA TECH	Project Name: 2ND AVE & 33RD ST.	
Street Address: 6 CENTURY DR.	Street:	Company Name:
City: PARSIPPANY State: NJ Zip: 07954	City: BROOKLYN State: NY	Street Address:
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM	Project #:	City: State: Zip:
Phone #: (973) 630-4045	Client Purchase Order #:	Attention:
Sampler(s) Name(s): A. VALL Phone #:	Project Manager:	

Requested Analysis: V8260 TCL+20 | AB8270 TCL+20 | B8270 SIM 1,4-Diox | P8081 PEST TCL | P8082-PCB 11 | 8151 STD | XMTAL CZ | MTAL | LCID 537 NY 21

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260 TCL+20	AB8270 TCL+20	B8270 SIM 1,4-Diox	P8081 PEST TCL	P8082-PCB 11	8151 STD	XMTAL CZ	MTAL	LCID 537 NY 21	LAB USE ONLY
1	TT-SB-24-6.5-8.5		12/01/21	0851	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	D3
2	TT-SB-25-7.0-9.0		12/01/21	0952	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	P35
3	TT-SB-26-6.0-8.0		12/01/21	1038	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	SVB
4	TT-SB-27-5.0-7.0		12/01/21	1147	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	Encore
5	SDUP-02		12/01/21	1200	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	1443
6	TT-SB-28-7.0-9.0		12/01/21	1347	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	4995
7	TT-SB-29-4.0-6.0		12/01/21	1456	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	
8	TT-SB-30-7.0-9.0		12/02/21	0853	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	
9	TT-SB-31-6.0-8.0		12/02/21	1050	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	
10	TT-SB-32-7.0-9.0		12/02/21	1147	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	
11	TT-SB-33-4.5-6.5		12/02/21	1338	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	

pH Check (Lab Use Only)

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- ☐ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days*
- ☐ 2 Business Days*
- ☐ 1 Business Day*
- ☐ Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ NJ Reduced (Level 3)
- ☐ Full Tier I (Level 4)
- ☐ Commercial "C"
- ☐ NJ DKQP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ MA MCP Criteria ______
- ☐ CT RCP Criteria ______
- ☐ State Forms
- ☐ EDD Format ______
- ☐ DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

3x5 encores

Initial Assessment JB

Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 / 2	[signature]	12/02/21 1604	[signature]	[signature]	12/2/21 17:18	[signature]
3 / 4						
5				Custody Seal #	☐ Intact ☐ Not intact	Absent ☐

Therm ID: On Ice Cooler Temp. °C
See Sample Receipt Summary ☐

5.1

JD36084: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD36084 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/2/2021 5:18:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.5);

Cooler Temps (Corrected) °C: Cooler 1: (1.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

Job Change Order: JD36084

Requested Date:	12/13/2021	**Received Date:**	12/2/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD36084-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD36084

Client / Reporting Information

Company Name:
Street Address:
City / State / Zip:
Project Contact: E-mail: jadon.schiller@sgs.com
Phone #:
Sampler(s) Name(s): AV
Phone:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LCID537NY21	LAB USE ONLY
1A	TT-SB-24-6.5-8.5		12/1/21	8:51:00 AM	AV	SO										X	
2A	TT-SB-25-7.0-9.0		12/1/21	9:52:00 AM	AV	SO										X	
3A	TT-SB-26-6.0-8.0		12/1/21	10:38:00 AM	AV	SO										X	
4A	TT-SB-27-5.0-7.0		12/1/21	11:47:00 AM	AV	SO										X	
5A	SDUP-02		12/1/21	12:00:00 PM	AV	SO										X	
6A	TT-SB-28-7.0-9.0		12/1/21	1:47:00 PM	AV	SO										X	
7A	TT-SB-29-4.0-6.0		12/1/21	2:56:00 PM	AV	SO										X	
8A	TT-SB-30-7.0-9.0		12/2/21	8:53:00 AM	AV	SO										X	
9A	TT-SB-31-6.0-8.0		12/2/21	10:50:00 AM	AV	SO										X	
10A	TT-SB-32-7.0-9.0		12/2/21	11:47:00 AM	AV	SO										X	
11A	TT-SB-33-4.5-6.5		12/2/21	1:38:00 PM	AV	SO										X	

INITIAL ASSESSMENT DO

LABEL VERIFICATION DO

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		12/3/21 14:00	Felix	2	12/6/21 9:30	2
3		Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
			3	4		4
5		Date / Time:	Received By:	Custody Seal #	Intact / Not Intact	Preserved where applicable / Absent	On Ice	Cooler Temp. °C
			5			Therm. ID:		2.4 DLab

Rev Date: 4/10/18

JD36084: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD36084 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET

Date / Time Received: 12/6/2021 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 527206368410

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: DEVANO Date: 12/6/2021 9:30:00 AM Reviewer: _____ Date: _____

5.2

JD36084: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36115

Sampling Date: 12/03/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 72

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Sample Summary

Tetra Tech

Job No: JD36115

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36115-1	12/03/21	08:15	AV	12/03/21	SO	Soil	TT-SB-34-4.0-6.0
JD36115-1A	12/03/21	08:15	AV	12/03/21	SO	Soil	TT-SB-34-4.0-6.0
JD36115-2	12/03/21	09:47	AV	12/03/21	SO	Soil	TT-SB-35-3.0-5.0
JD36115-2A	12/03/21	09:47	AV	12/03/21	SO	Soil	TT-SB-35-3.0-5.0
JD36115-3	12/03/21	11:08	AV	12/03/21	SO	Soil	TT-SB-36-6.0-8.0
JD36115-3A	12/03/21	11:08	AV	12/03/21	SO	Soil	TT-SB-36-6.0-8.0
JD36115-4	12/03/21	12:18	AV	12/03/21	SO	Soil	TT-SB-37-7.0-9.0
JD36115-4A	12/03/21	12:18	AV	12/03/21	SO	Soil	TT-SB-37-7.0-9.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD36115
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/29/2021 3:29:54 P

On 12/03/2021, 8 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.9 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36115 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI9773

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD36176-2MS, JD36176-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- VI9773-BS for 1,2-Dichlorobenzene: Outside of in house control limits, but within reasonable method recovery limits.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88849

- The data for EPA 537M BY ID meets quality control requirements.
- JD36115-3A: Analysis performed at SGS Orlando, FL.
- JD36115-2A: Analysis performed at SGS Orlando, FL.
- JD36115-4A: Analysis performed at SGS Orlando, FL.
- JD36115-1A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36963

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36063-1MS, JD36063-1MSD were used as the QC samples indicated.
- Sample(s) JD36115-1, JD36115-3, JD36115-4 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Matrix Spike Recovery(s) for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Fluoranthene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, Pyrene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, Pyrene are outside control limits. Outside control limits due to matrix interference.
- JD36115-2: Dilution required due to viscosity of the extract matrix.
- JD36115-2 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high,sample was ND.
- JD36115-2 for Atrazine: Associated CCV outside of control limits high,sample was ND. Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36115-4 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP36963

- JD36115-4 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36115-3 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD36115-1 for Atrazine: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP36963A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP36973

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36144-5MS, JD36144-5MSD, OP36973-MSMSD were used as the QC samples indicated.
- JD36115-2: Confirmation run.
- OP36973-BS1 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36115-1 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36115-2 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- OP36973-BSD for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36115-1 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36115-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD36115-2 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36115-2 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP36974

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36144-10MS, JD36144-10MSD, OP36974-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP36974-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP36974-BSD for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36115-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP36933

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36022-1MS, JD36022-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP36933-BSD for 2,4-D are outside control limits.
- Matrix Spike Recovery(s) for 2,4,5-T, 2,4,5-TP (Silvex) are outside control limits.
- Matrix Spike Duplicate Recovery(s) for 2,4,5-TP (Silvex) are outside control limits.
- OP36933-BS1/BSD for 2,4,5-TP (Silvex): Outside of in house control limits.
- RPD of OP36933-BSD for 2,4,5-TP (Silvex): Analytical precision exceeds in-house control limits.
- RPD of OP36933-BSD for 2,4-D: Analytical precision exceeds in-house control limits.
- OP36933-BSD for 2,4-DCAA: Outside of in house control limits.
- OP36933-BS1 for 2,4-DCAA: Outside of in house control limits.
- OP36933-BS1/BSD for 2,4,5-T: Outside of in house control limits.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30201

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36097-2MS, JD36097-2MSD, JD36097-2PS, JD36097-2SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Magnesium are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Beryllium, Cadmium, Selenium, Silver, Sodium, Thallium are outside control limits for sample MP30201-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD36115-2 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Cobalt: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Chromium: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Cadmium: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Beryllium: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Barium: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Copper: Elevated detection limit due to dilution required for high interfering element.
- JD36115-2 for Selenium: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30212

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36039-1MS, JD36039-1MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN24483

- Sample(s) JD36106-4DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP37440

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD35487-3DUP, JD36115-1MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP37440-D1. RPD acceptable due to low duplicate and sample concentrations.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD36115
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/29/2021 9:47:29

On 12/03/2021, 4 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36115 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88849

Sample(s) JD36176-13AMS, JD36176-13AMSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD36115
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/03/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36115-1	**TT-SB-34-4.0-6.0**					
Acenaphthene		72.5	39	14	ug/kg	SW846 8270E
Acenaphthylene		43.2	39	20	ug/kg	SW846 8270E
Anthracene		294	39	24	ug/kg	SW846 8270E
Benzo(a)anthracene		1020	39	11	ug/kg	SW846 8270E
Benzo(a)pyrene		870	39	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		994	39	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		504	39	20	ug/kg	SW846 8270E
Benzo(k)fluoranthene		406	39	18	ug/kg	SW846 8270E
1,1'-Biphenyl		12.3 J	79	5.4	ug/kg	SW846 8270E
Carbazole		71.5 J	79	5.7	ug/kg	SW846 8270E
Chrysene		1140	39	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		145	39	17	ug/kg	SW846 8270E
Dibenzofuran		68.0 J	79	16	ug/kg	SW846 8270E
Di-n-butyl phthalate		21.2 JB	79	6.4	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		57.6 J	79	9.2	ug/kg	SW846 8270E
Fluoranthene		1760	39	18	ug/kg	SW846 8270E
Fluorene		56.1	39	18	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		579	39	18	ug/kg	SW846 8270E
2-Methylnaphthalene		34.1 J	39	8.9	ug/kg	SW846 8270E
Naphthalene		72.9	39	11	ug/kg	SW846 8270E
Phenanthrene		1180	39	13	ug/kg	SW846 8270E
Pyrene		2050	39	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		3290 J			ug/kg	
4,4'-DDD [a]		2.3	0.77	0.70	ug/kg	SW846 8081B
4,4'-DDT [a]		6.3	0.77	0.68	ug/kg	SW846 8081B
Aluminum		6160	63		mg/kg	SW846 6010D
Arsenic		4.2	2.5		mg/kg	SW846 6010D
Barium		31.8	25		mg/kg	SW846 6010D
Beryllium		0.39	0.25		mg/kg	SW846 6010D
Calcium		16500	630		mg/kg	SW846 6010D
Chromium		15.1	1.3		mg/kg	SW846 6010D
Copper		17.6	3.2		mg/kg	SW846 6010D
Iron		14800	63		mg/kg	SW846 6010D
Lead		180	2.5		mg/kg	SW846 6010D
Magnesium		3180	630		mg/kg	SW846 6010D
Manganese		223	1.9		mg/kg	SW846 6010D
Mercury		0.22	0.033		mg/kg	SW846 7471B
Nickel		21.7	5.1		mg/kg	SW846 6010D
Vanadium		23.0	6.3		mg/kg	SW846 6010D
Zinc		46.3	6.3		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD36115
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/03/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36115-1A	**TT-SB-34-4.0-6.0**					
No hits reported in this sample.						
JD36115-2	**TT-SB-35-3.0-5.0**					
Acenaphthene [b]		83.0	70	24	ug/kg	SW846 8270E
Acenaphthylene [b]		73.3	70	35	ug/kg	SW846 8270E
Anthracene [b]		274	70	43	ug/kg	SW846 8270E
Benzo(a)anthracene [b]		852	70	20	ug/kg	SW846 8270E
Benzo(a)pyrene [b]		762	70	32	ug/kg	SW846 8270E
Benzo(b)fluoranthene [b]		986	70	31	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [b]		474	70	35	ug/kg	SW846 8270E
Benzo(k)fluoranthene [b]		403	70	33	ug/kg	SW846 8270E
1,1'-Biphenyl [b]		10.5 J	140	9.6	ug/kg	SW846 8270E
Carbazole [b]		93.8 J	140	10	ug/kg	SW846 8270E
Chrysene [b]		862	70	22	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [b]		161	70	31	ug/kg	SW846 8270E
Dibenzofuran [b]		55.2 J	140	28	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate [b]		230	140	16	ug/kg	SW846 8270E
Fluoranthene [b]		1760	70	31	ug/kg	SW846 8270E
Fluorene [b]		84.3	70	32	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [b]		559	70	33	ug/kg	SW846 8270E
2-Methylnaphthalene [b]		28.8 J	70	16	ug/kg	SW846 8270E
Naphthalene [b]		32.0 J	70	20	ug/kg	SW846 8270E
Phenanthrene [b]		1210	70	23	ug/kg	SW846 8270E
Pyrene [b]		1630	70	22	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1940 J			ug/kg	
alpha-Chlordane [a]		4.0	0.70	0.57	ug/kg	SW846 8081B
gamma-Chlordane		3.9	0.70	0.32	ug/kg	SW846 8081B
Dieldrin [a]		1.7	0.70	0.48	ug/kg	SW846 8081B
4,4'-DDD		3.5	0.70	0.64	ug/kg	SW846 8081B
4,4'-DDE [a]		11.7	0.70	0.62	ug/kg	SW846 8081B
4,4'-DDT		22.1	0.70	0.62	ug/kg	SW846 8081B
Endrin ketone		8.9	0.70	0.51	ug/kg	SW846 8081B
Aluminum		4250	51		mg/kg	SW846 6010D
Calcium		77500	2600		mg/kg	SW846 6010D
Chromium [c]		7.9	5.1		mg/kg	SW846 6010D
Copper [c]		19.4	13		mg/kg	SW846 6010D
Iron		7910	51		mg/kg	SW846 6010D
Lead		79.1	2.1		mg/kg	SW846 6010D
Magnesium		6380	510		mg/kg	SW846 6010D
Manganese		301	1.5		mg/kg	SW846 6010D
Mercury		0.18	0.029		mg/kg	SW846 7471B
Vanadium		21.0	5.1		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD36115
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/03/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		70.2	5.1		mg/kg	SW846 6010D
JD36115-2A	**TT-SB-35-3.0-5.0**					
No hits reported in this sample.						
JD36115-3	**TT-SB-36-6.0-8.0**					
Benzo(a)anthracene		36.7	35	9.9	ug/kg	SW846 8270E
Benzo(a)pyrene		36.4	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		39.5	35	15	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		21.6 J	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		17.7 J	35	16	ug/kg	SW846 8270E
Chrysene		34.2 J	35	11	ug/kg	SW846 8270E
Di-n-butyl phthalate		21.1 JB	70	5.7	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		50.9 J	70	8.2	ug/kg	SW846 8270E
Fluoranthene		57.2	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		23.8 J	35	16	ug/kg	SW846 8270E
Phenanthrene		16.2 J	35	12	ug/kg	SW846 8270E
Pyrene		61.6	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		180 J			ug/kg	
Aluminum		2760	55		mg/kg	SW846 6010D
Arsenic		3.2	2.2		mg/kg	SW846 6010D
Calcium		626	550		mg/kg	SW846 6010D
Chromium		6.8	1.1		mg/kg	SW846 6010D
Copper		3.8	2.7		mg/kg	SW846 6010D
Iron		8390	55		mg/kg	SW846 6010D
Lead		8.7	2.2		mg/kg	SW846 6010D
Magnesium		1870	550		mg/kg	SW846 6010D
Manganese		97.0	1.6		mg/kg	SW846 6010D
Mercury		0.075	0.030		mg/kg	SW846 7471B
Nickel		14.3	4.4		mg/kg	SW846 6010D
Vanadium		9.3	5.5		mg/kg	SW846 6010D
Zinc		18.3	5.5		mg/kg	SW846 6010D
JD36115-3A	**TT-SB-36-6.0-8.0**					
No hits reported in this sample.						
JD36115-4	**TT-SB-37-7.0-9.0**					
Methylene chloride		3.2 J	4.9	2.5	ug/kg	SW846 8260D
Benzo(a)anthracene		37.5	34	9.8	ug/kg	SW846 8270E
Benzo(a)pyrene		35.2	34	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene		39.3	34	15	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD36115
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/03/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(g,h,i)perylene		21.9 J	34	17	ug/kg	SW846 8270E
Chrysene		29.9 J	34	11	ug/kg	SW846 8270E
Di-n-butyl phthalate		42.5 JB	69	5.6	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		39.8 J	69	8.1	ug/kg	SW846 8270E
Fluoranthene		53.4	34	15	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		23.6 J	34	16	ug/kg	SW846 8270E
Phenanthrene		24.8 J	34	12	ug/kg	SW846 8270E
Pyrene		54.8	34	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		220 J			ug/kg	
Aluminum		2410	54		mg/kg	SW846 6010D
Calcium		4160	540		mg/kg	SW846 6010D
Chromium		7.4	1.1		mg/kg	SW846 6010D
Copper		5.9	2.7		mg/kg	SW846 6010D
Iron		6040	54		mg/kg	SW846 6010D
Lead		11.3	2.2		mg/kg	SW846 6010D
Magnesium		1720	540		mg/kg	SW846 6010D
Manganese		77.2	1.6		mg/kg	SW846 6010D
Mercury		0.056	0.028		mg/kg	SW846 7471B
Nickel		18.9	4.3		mg/kg	SW846 6010D
Vanadium		9.5	5.4		mg/kg	SW846 6010D
Zinc		20.3	5.4		mg/kg	SW846 6010D

JD36115-4A **TT-SB-37-7.0-9.0**

No hits reported in this sample.

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Dilution required due to viscosity of the extract matrix.
(c) Elevated detection limit due to dilution required for high interfering element.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TT-SB-34-4.0-6.0
Lab Sample ID: JD36115-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 81.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240424.D	1	12/07/21 13:17	PS	12/03/21 12:21	n/a	VI9773
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.4	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.53	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.72	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.4	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.56	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.62	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.53	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.94	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.94	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.94	0.47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.94	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.69	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.94	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.94	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.94	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.94	0.79	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.94	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.45	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.94	0.43	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.94	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.7	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.55	ug/kg	
108-88-3	Toluene	ND	0.94	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	ND	0.94	0.72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.94	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.94	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.94	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	105%		75-131%
2037-26-5	Toluene-D8	87%		81-121%
460-00-4	4-Bromofluorobenzene	97%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-34-4.0-6.0
Lab Sample ID: JD36115-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 81.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176884.D	1	12/08/21 21:06	KLS	12/07/21 10:45	OP36963	EM7603
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	79	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	70	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	200	42	ug/kg	
95-48-7	2-Methylphenol	ND	79	25	ug/kg	
	3&4-Methylphenol	ND	79	32	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	79	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	23	ug/kg	
83-32-9	Acenaphthene	72.5	39	14	ug/kg	
208-96-8	Acenaphthylene	43.2	39	20	ug/kg	
98-86-2	Acetophenone [a]	ND	200	8.4	ug/kg	
120-12-7	Anthracene	294	39	24	ug/kg	
1912-24-9	Atrazine [a]	ND	79	17	ug/kg	
56-55-3	Benzo(a)anthracene	1020	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	870	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	994	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	504	39	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	406	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	79	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	79	9.6	ug/kg	
92-52-4	1,1'-Biphenyl	12.3	79	5.4	ug/kg	J
100-52-7	Benzaldehyde	ND	200	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	79	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	71.5	79	5.7	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-34-4.0-6.0
Lab Sample ID: JD36115-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 81.6

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	79	16	ug/kg	
218-01-9	Chrysene	1140	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	79	8.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	79	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	79	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	79	13	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	79	33	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	145	39	17	ug/kg	
132-64-9	Dibenzofuran	68.0	79	16	ug/kg	J
84-74-2	Di-n-butyl phthalate	21.2	79	6.4	ug/kg	JB
117-84-0	Di-n-octyl phthalate	ND	79	9.8	ug/kg	
84-66-2	Diethyl phthalate	ND	79	8.4	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	7.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	57.6	79	9.2	ug/kg	J
206-44-0	Fluoranthene	1760	39	18	ug/kg	
86-73-7	Fluorene	56.1	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	79	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	579	39	18	ug/kg	
78-59-1	Isophorone	ND	79	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	34.1	39	8.9	ug/kg	J
88-74-4	2-Nitroaniline [a]	ND	200	9.3	ug/kg	
99-09-2	3-Nitroaniline	ND	200	9.8	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	72.9	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	79	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	79	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	14	ug/kg	
85-01-8	Phenanthrene	1180	39	13	ug/kg	
129-00-0	Pyrene	2050	39	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	55%		10-105%
118-79-6	2,4,6-Tribromophenol	89%		10-135%
4165-60-0	Nitrobenzene-d5	73%		10-119%
321-60-8	2-Fluorobiphenyl	69%		18-112%
1718-51-0	Terphenyl-d14	65%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.21	210	ug/kg	J
	system artifact/aldol-condensation	3.28	420	ug/kg	J
	Phenanthrene, methyl-	11.54	260	ug/kg	J
	Phenanthrene, methyl-	11.59	350	ug/kg	J
	unknown	11.74	320	ug/kg	J
	Phenanthrene methyl	11.79	180	ug/kg	J
	Naphthalene, phenyl-	12.15	280	ug/kg	J
	Phenanthrene, dimethyl-	12.63	230	ug/kg	J
	Pyrene methyl	14.03	170	ug/kg	J
	Octadecenamide, (Z)-	14.93	200	ug/kg	J
	unknown	15.31	220	ug/kg	J
	unknown PAH substances	18.19	620	ug/kg	J
	unknown	18.59	190	ug/kg	J
	unknown	19.31	270	ug/kg	J
	Total TIC, Semi-Volatile		3290	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105338.D	1	12/21/21 07:25	CS	12/07/21 10:45	OP36963A	E4M4893
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.9	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		10-107%
321-60-8	2-Fluorobiphenyl	66%		17-91%
1718-51-0	Terphenyl-d14	66%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155541.D	1	12/10/21 11:37	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	20	8.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.9	2.2	ug/kg	
93-76-5	2,4,5-T	ND	3.9	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	42%		10-125%
19719-28-9	2,4-DCAA	41%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723473.D	1	12/10/21 09:51	CP	12/07/21 11:25	OP36973	G4G3679
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.63	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.62	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.69	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.74	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.56	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.77	0.62	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.77	0.35	ug/kg	
60-57-1	Dieldrin	ND	0.77	0.53	ug/kg	
72-54-8	4,4'-DDD [a]	2.3	0.77	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	0.77	0.67	ug/kg	
50-29-3	4,4'-DDT [a]	6.3	0.77	0.68	ug/kg	
72-20-8	Endrin	ND	0.77	0.60	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.43	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.48	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.66	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.77	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.55	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		14-145%
877-09-8	Tetrachloro-m-xylene	139%		14-145%
2051-24-3	Decachlorobiphenyl	118%		10-197%
2051-24-3	Decachlorobiphenyl	352% [b]		10-197%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7202.D	1	12/10/21 09:50	RK	12/07/21 11:25	OP36974	GRK186
Run #2							

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	24	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		10-163%
877-09-8	Tetrachloro-m-xylene	88%		10-163%
2051-24-3	Decachlorobiphenyl	71%		10-215%
2051-24-3	Decachlorobiphenyl	274% [a]		10-215%

(a) Outside control limits due to matrix interference.

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6160	63	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	4.2	2.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	31.8	25	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.39	0.25	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.63	0.63	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	16500	630	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	15.1	1.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.3	6.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	17.6	3.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	14800	63	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	180	2.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3180	630	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	223	1.9	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.22	0.033	mg/kg	1	12/07/21	12/07/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	21.7	5.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1300	1300	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.63	0.63	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1300	1300	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.3	1.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	23.0	6.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	46.3	6.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51548
(2) Instrument QC Batch: MA51561
(3) Prep QC Batch: MP30201
(4) Prep QC Batch: MP30212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/09/21 03:58	EB	SW846 9012B/LACHAT
Solids, Percent	81.6		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82226.D	1	12/24/21 19:36	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	1.99 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.47	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.62	0.31	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.62	0.31	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.62	0.31	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.62	0.31	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.62	0.31	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.62	0.31	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.62	0.31	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.62	0.31	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.62	0.33	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.62	0.31	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.62	0.31	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.62	0.31	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.62	0.31	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.62	0.31	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.62	0.31	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.62	0.31	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.62	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.62	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.31	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.31	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-34-4.0-6.0		
Lab Sample ID:	JD36115-1A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	81.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	105%		40-140%
	13C5-PFPeA	102%		50-150%
	13C5-PFHxA	103%		50-150%
	13C4-PFHpA	103%		50-150%
	13C8-PFOA	105%		50-150%
	13C9-PFNA	103%		50-150%
	13C6-PFDA	99%		50-150%
	13C7-PFUnDA	88%		40-140%
	13C2-PFDoDA	94%		40-140%
	13C2-PFTeDA	108%		30-130%
	13C3-PFBS	106%		50-150%
	13C3-PFHxS	106%		50-150%
	13C8-PFOS	105%		50-150%
	13C8-FOSA	98%		30-130%
	d3-MeFOSAA	107%		40-140%
	d5-EtFOSAA	113%		40-140%
	13C2-6:2FTS	103%		50-150%
	13C2-8:2FTS	105%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240425.D	1	12/07/21 13:38	PS	12/03/21 12:21	n/a	VI9773
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.51	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.44	ug/kg	
75-25-2	Bromoform	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.53	ug/kg	
74-87-3	Chloromethane	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.67	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	0.74	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

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RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.1	2.7	ug/kg	
100-42-5	Styrene	ND	2.0	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.61	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.59	ug/kg	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.49	ug/kg	
	m,p-Xylene	ND	1.0	0.91	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		72-130%
17060-07-0	1,2-Dichloroethane-D4	107%		75-131%
2037-26-5	Toluene-D8	86%		81-121%
460-00-4	4-Bromofluorobenzene	96%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M176927.D	2	12/10/21 23:30	KLS	12/07/21 10:45	OP36963	EM7605
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	350	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	350	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	350	120	ug/kg	
51-28-5	2,4-Dinitrophenol [b]	ND	350	260	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	350	75	ug/kg	
95-48-7	2-Methylphenol	ND	140	45	ug/kg	
	3&4-Methylphenol	ND	140	57	ug/kg	
88-75-5	2-Nitrophenol [b]	ND	350	46	ug/kg	
100-02-7	4-Nitrophenol	ND	700	190	ug/kg	
87-86-5	Pentachlorophenol	ND	280	66	ug/kg	
108-95-2	Phenol	ND	140	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [b]	ND	350	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	350	52	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	350	42	ug/kg	
83-32-9	Acenaphthene	83.0	70	24	ug/kg	
208-96-8	Acenaphthylene	73.3	70	35	ug/kg	
98-86-2	Acetophenone [b]	ND	350	15	ug/kg	
120-12-7	Anthracene	274	70	43	ug/kg	
1912-24-9	Atrazine [c]	ND	140	30	ug/kg	
56-55-3	Benzo(a)anthracene	852	70	20	ug/kg	
50-32-8	Benzo(a)pyrene	762	70	32	ug/kg	
205-99-2	Benzo(b)fluoranthene	986	70	31	ug/kg	
191-24-2	Benzo(g,h,i)perylene	474	70	35	ug/kg	
207-08-9	Benzo(k)fluoranthene	403	70	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	140	27	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	140	17	ug/kg	
92-52-4	1,1'-Biphenyl	10.5	140	9.6	ug/kg	J
100-52-7	Benzaldehyde	ND	350	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	140	17	ug/kg	
106-47-8	4-Chloroaniline	ND	350	25	ug/kg	
86-74-8	Carbazole	93.8	140	10	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	140	28	ug/kg	
218-01-9	Chrysene	862	70	22	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	140	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	140	30	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	140	25	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	140	23	ug/kg	
121-14-2	2,4-Dinitrotoluene [b]	ND	70	22	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	35	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	58	ug/kg	
123-91-1	1,4-Dioxane	ND	70	46	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	161	70	31	ug/kg	
132-64-9	Dibenzofuran	55.2	140	28	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	140	11	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	140	17	ug/kg	
84-66-2	Diethyl phthalate	ND	140	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	140	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	230	140	16	ug/kg	
206-44-0	Fluoranthene	1760	70	31	ug/kg	
86-73-7	Fluorene	84.3	70	32	ug/kg	
118-74-1	Hexachlorobenzene	ND	140	18	ug/kg	
87-68-3	Hexachlorobutadiene [b]	ND	70	28	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	28	ug/kg	
67-72-1	Hexachloroethane	ND	350	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	559	70	33	ug/kg	
78-59-1	Isophorone	ND	140	15	ug/kg	
91-57-6	2-Methylnaphthalene	28.8	70	16	ug/kg	J
88-74-4	2-Nitroaniline [b]	ND	350	16	ug/kg	
99-09-2	3-Nitroaniline	ND	350	17	ug/kg	
100-01-6	4-Nitroaniline	ND	350	18	ug/kg	
91-20-3	Naphthalene	32.0	70	20	ug/kg	J
98-95-3	Nitrobenzene	ND	140	27	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	140	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	350	26	ug/kg	
85-01-8	Phenanthrene	1210	70	23	ug/kg	
129-00-0	Pyrene	1630	70	22	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	54%		10-105%
118-79-6	2,4,6-Tribromophenol	83%		10-135%
4165-60-0	Nitrobenzene-d5	77%		10-119%
321-60-8	2-Fluorobiphenyl	69%		18-112%
1718-51-0	Terphenyl-d14	66%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.26	390	ug/kg	J
	Phenanthrene methyl	11.57	290	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	11.70	300	ug/kg	JN
	Octadecenamide	14.89	300	ug/kg	J
	Unknown PAH substance	18.15	630	ug/kg	J
	Unknown	19.74	420	ug/kg	J
	Total TIC, Semi-Volatile		1940	ug/kg	J

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high,sample was ND.
(c) Associated CCV outside of control limits high,sample was ND. Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-35-3.0-5.0
Lab Sample ID: JD36115-2
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 94.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105335.D	2	12/21/21 06:24	CS	12/07/21 10:45	OP36963A	E4M4893
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	7.0	3.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		10-107%
321-60-8	2-Fluorobiphenyl	55%		17-91%
1718-51-0	Terphenyl-d14	57%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155542.D	1	12/10/21 12:05	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	16	7.3	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	1.8	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	68%		10-125%
19719-28-9	2,4-DCAA	53%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723474.D	1	12/10/21 10:06	CP	12/07/21 11:25	OP36973	G4G3679
Run #2 [a]	4G9723522.D	5	12/14/21 02:10	TL	12/07/21 11:25	OP36973	G4G3681

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2	15.1 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.52	ug/kg	
5103-71-9	alpha-Chlordane [b]	4.0	0.70	0.57	ug/kg	
5103-74-2	gamma-Chlordane	3.9	0.70	0.32	ug/kg	
60-57-1	Dieldrin [b]	1.7	0.70	0.48	ug/kg	
72-54-8	4,4'-DDD	3.5	0.70	0.64	ug/kg	
72-55-9	4,4'-DDE [b]	11.7	0.70	0.62	ug/kg	
50-29-3	4,4'-DDT	22.1	0.70	0.62	ug/kg	
72-20-8	Endrin	ND	0.70	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	8.9	0.70	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%	92%	14-145%
877-09-8	Tetrachloro-m-xylene	88%	101%	14-145%
2051-24-3	Decachlorobiphenyl	107%	76%	10-197%
2051-24-3	Decachlorobiphenyl	165%	158%	10-197%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7203.D	1	12/10/21 10:06	RK	12/07/21 11:25	OP36974	GRK186
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-163%
877-09-8	Tetrachloro-m-xylene	66%		10-163%
2051-24-3	Decachlorobiphenyl	39%		10-215%
2051-24-3	Decachlorobiphenyl	156%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4250	51	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Antimony	< 2.1	2.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Arsenic [a]	< 10	10	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Barium [a]	< 100	100	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Beryllium [a]	< 1.0	1.0	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium [a]	< 2.6	2.6	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	77500	2600	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium [a]	7.9	5.1	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt [a]	< 26	26	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Copper [a]	19.4	13	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	7910	51	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	79.1	2.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	6380	510	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Manganese	301	1.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.18	0.029	mg/kg	1	12/07/21	12/07/21	SB	SW846 7471B [1]	SW846 7471B [5]
Potassium	< 1000	1000	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Selenium [a]	< 10	10	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Silver [a]	< 2.6	2.6	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium [a]	< 5.1	5.1	mg/kg	5	12/07/21	12/08/21	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	21.0	5.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	70.2	5.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA51548
(2) Instrument QC Batch: MA51561
(3) Instrument QC Batch: MA51571
(4) Prep QC Batch: MP30201
(5) Prep QC Batch: MP30212

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	12/09/21 04:16	EB	SW846 9012B/LACHAT
Solids, Percent	94.3		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82227.D	1	12/24/21 19:54	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	1.99 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.40	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.53	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.53	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.53	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.53	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.53	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.53	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.53	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.53	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.53	0.28	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.53	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.53	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.53	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.53	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.53	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.53	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.53	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.53	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-35-3.0-5.0		
Lab Sample ID:	JD36115-2A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	94.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		40-140%
	13C5-PFPeA	87%		50-150%
	13C5-PFHxA	88%		50-150%
	13C4-PFHpA	90%		50-150%
	13C8-PFOA	92%		50-150%
	13C9-PFNA	91%		50-150%
	13C6-PFDA	89%		50-150%
	13C7-PFUnDA	89%		40-140%
	13C2-PFDoDA	91%		40-140%
	13C2-PFTeDA	94%		30-130%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	95%		50-150%
	13C8-PFOS	97%		50-150%
	13C8-FOSA	95%		30-130%
	d3-MeFOSAA	77%		40-140%
	d5-EtFOSAA	83%		40-140%
	13C2-6:2FTS	82%		50-150%
	13C2-8:2FTS	89%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240426.D	1	12/07/21 13:58	PS	12/03/21 12:21	n/a	VI9773
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.3	ug/kg	
71-43-2	Benzene	ND	0.52	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.45	ug/kg	
75-25-2	Bromoform	ND	5.2	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.80	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.56	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.48	ug/kg	
75-00-3	Chloroethane	ND	5.2	0.62	ug/kg	
67-66-3	Chloroform	ND	2.1	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.2	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.69	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.73	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.44	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.76	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.88	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.64	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.47	ug/kg	
76-13-1	Freon 113	ND	5.2	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.2	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.2	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.92	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.49	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.2	2.7	ug/kg	
100-42-5	Styrene	ND	2.1	0.42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.63	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.61	ug/kg	
108-88-3	Toluene	ND	1.0	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.58	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.80	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.50	ug/kg	
	m,p-Xylene	ND	1.0	0.94	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.48	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	109%		75-131%
2037-26-5	Toluene-D8	88%		81-121%
460-00-4	4-Bromofluorobenzene	94%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176873.D	1	12/08/21 15:46	KLS	12/07/21 10:45	OP36963	EM7603
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	37	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone [a]	ND	180	7.5	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine [a]	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	36.7	35	9.9	ug/kg	
50-32-8	Benzo(a)pyrene	36.4	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	39.5	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	21.6	35	18	ug/kg	J
207-08-9	Benzo(k)fluoranthene	17.7	35	16	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.3	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	70	5.1	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	70	14	ug/kg	
218-01-9	Chrysene	34.2	35	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	15	ug/kg	
132-64-9	Dibenzofuran	ND	70	14	ug/kg	
84-74-2	Di-n-butyl phthalate	21.1	70	5.7	ug/kg	JB
117-84-0	Di-n-octyl phthalate	ND	70	8.7	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	50.9	70	8.2	ug/kg	J
206-44-0	Fluoranthene	57.2	35	16	ug/kg	
86-73-7	Fluorene	ND	35	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	23.8	35	16	ug/kg	J
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	35	7.9	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.1	ug/kg	
91-20-3	Naphthalene	ND	35	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	70	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	16.2	35	12	ug/kg	J
129-00-0	Pyrene	61.6	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		10-109%

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Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	59%		10-105%
118-79-6	2,4,6-Tribromophenol	91%		10-135%
4165-60-0	Nitrobenzene-d5	73%		10-119%
321-60-8	2-Fluorobiphenyl	66%		18-112%
1718-51-0	Terphenyl-d14	70%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.21	200	ug/kg	J
	system artifact/aldol-condensation	3.28	2300	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	14.91	180	ug/kg	JN
	Total TIC, Semi-Volatile		180	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-36-6.0-8.0
Lab Sample ID: JD36115-3
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 93.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105333.D	1	12/21/21 05:44	CS	12/07/21 10:45	OP36963A	E4M4893
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.5	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		10-107%
321-60-8	2-Fluorobiphenyl	69%		17-91%
1718-51-0	Terphenyl-d14	74%		17-105%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155543.D	1	12/10/21 12:33	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	16.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	16	7.2	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.2	1.8	ug/kg	
93-76-5	2,4,5-T	ND	3.2	1.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	24%		10-125%
19719-28-9	2,4-DCAA	22%		10-125%

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Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723475.D	1	12/10/21 10:21	CP	12/07/21 11:25	OP36973	G4G3679
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.63	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.67	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	0.69	0.64	ug/kg	
72-55-9	4,4'-DDE	ND	0.69	0.61	ug/kg	
50-29-3	4,4'-DDT	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.49	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		14-145%
877-09-8	Tetrachloro-m-xylene	63%		14-145%
2051-24-3	Decachlorobiphenyl	40%		10-197%
2051-24-3	Decachlorobiphenyl	50%		10-197%

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N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7204.D	1	12/10/21 10:22	RK	12/07/21 11:25	OP36974	GRK186
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	16	ug/kg	
11104-28-2	Aroclor 1221	ND	35	22	ug/kg	
11141-16-5	Aroclor 1232	ND	35	22	ug/kg	
53469-21-9	Aroclor 1242	ND	35	14	ug/kg	
12672-29-6	Aroclor 1248	ND	35	31	ug/kg	
11097-69-1	Aroclor 1254	ND	35	19	ug/kg	
11096-82-5	Aroclor 1260	ND	35	15	ug/kg	
11100-14-4	Aroclor 1268	ND	35	15	ug/kg	
37324-23-5	Aroclor 1262	ND	35	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		10-163%
877-09-8	Tetrachloro-m-xylene	60%		10-163%
2051-24-3	Decachlorobiphenyl	31%		10-215%
2051-24-3	Decachlorobiphenyl	90%		10-215%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2760	55	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 22	22	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.22	0.22	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	626	550	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	6.8	1.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	3.8	2.7	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8390	55	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	8.7	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1870	550	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	97.0	1.6	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.075	0.030	mg/kg	1	12/07/21	12/07/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.3	4.4	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	9.3	5.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	18.3	5.5	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51548
(2) Instrument QC Batch: MA51561
(3) Prep QC Batch: MP30201
(4) Prep QC Batch: MP30212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.21	0.21	mg/kg	1	12/09/21 04:17	EB	SW846 9012B/LACHAT
Solids, Percent	93.6		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82228.D	1	12/24/21 20:13	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	1.96 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.41	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.55	0.27	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.55	0.27	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.55	0.27	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.55	0.27	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.55	0.27	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.55	0.27	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.55	0.27	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.55	0.27	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.55	0.29	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.55	0.27	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.55	0.27	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.55	0.27	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.55	0.27	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.55	0.27	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.55	0.27	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.55	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.55	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-36-6.0-8.0		
Lab Sample ID:	JD36115-3A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	93.6
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	100%		40-140%
	13C5-PFPeA	99%		50-150%
	13C5-PFHxA	99%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	102%		50-150%
	13C9-PFNA	97%		50-150%
	13C6-PFDA	92%		50-150%
	13C7-PFUnDA	89%		40-140%
	13C2-PFDoDA	96%		40-140%
	13C2-PFTeDA	101%		30-130%
	13C3-PFBS	101%		50-150%
	13C3-PFHxS	100%		50-150%
	13C8-PFOS	100%		50-150%
	13C8-FOSA	98%		30-130%
	d3-MeFOSAA	110%		40-140%
	d5-EtFOSAA	112%		40-140%
	13C2-6:2FTS	100%		50-150%
	13C2-8:2FTS	100%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I240427.D	1	12/07/21 14:18	PS	12/03/21 12:21	n/a	VI9773
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.7	4.0	ug/kg	
71-43-2	Benzene	ND	0.49	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.42	ug/kg	
75-25-2	Bromoform	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.58	ug/kg	
67-66-3	Chloroform	ND	1.9	0.51	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.55	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.97	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.97	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.9	2.1	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-37-7.0-9.0
Lab Sample ID: JD36115-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 95.1

4.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.9	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.97	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg	
75-09-2	Methylene chloride	3.2	4.9	2.5	ug/kg	J
100-42-5	Styrene	ND	1.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.58	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	
108-88-3	Toluene	ND	0.97	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.54	ug/kg	
79-01-6	Trichloroethene	ND	0.97	0.74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.47	ug/kg	
	m,p-Xylene	ND	0.97	0.87	ug/kg	
95-47-6	o-Xylene	ND	0.97	0.45	ug/kg	
1330-20-7	Xylene (total)	ND	0.97	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-130%
17060-07-0	1,2-Dichloroethane-D4	106%		75-131%
2037-26-5	Toluene-D8	86%		81-121%
460-00-4	4-Bromofluorobenzene	95%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176874.D	1	12/08/21 16:15	KLS	12/07/21 10:45	OP36963	EM7603
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	340	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	34	12	ug/kg	
208-96-8	Acenaphthylene	ND	34	18	ug/kg	
98-86-2	Acetophenone [a]	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	34	21	ug/kg	
1912-24-9	Atrazine [a]	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	37.5	34	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	35.2	34	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	39.3	34	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	21.9	34	17	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	34	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

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RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-37-7.0-9.0
Lab Sample ID: JD36115-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 95.1

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	69	14	ug/kg	
218-01-9	Chrysene	29.9	34	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	69	7.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	69	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	11	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	34	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	34	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	69	29	ug/kg	
123-91-1	1,4-Dioxane	ND	34	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	15	ug/kg	
132-64-9	Dibenzofuran	ND	69	14	ug/kg	
84-74-2	Di-n-butyl phthalate	42.5	69	5.6	ug/kg	JB
117-84-0	Di-n-octyl phthalate	ND	69	8.6	ug/kg	
84-66-2	Diethyl phthalate	ND	69	7.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	6.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	39.8	69	8.1	ug/kg	J
206-44-0	Fluoranthene	53.4	34	15	ug/kg	
86-73-7	Fluorene	ND	34	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	8.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	340	14	ug/kg	
67-72-1	Hexachloroethane	ND	170	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	23.6	34	16	ug/kg	J
78-59-1	Isophorone	ND	69	7.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	7.8	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	170	8.1	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.6	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.9	ug/kg	
91-20-3	Naphthalene	ND	34	9.7	ug/kg	
98-95-3	Nitrobenzene	ND	69	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	69	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	13	ug/kg	
85-01-8	Phenanthrene	24.8	34	12	ug/kg	J
129-00-0	Pyrene	54.8	34	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-109%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	47%		10-105%
118-79-6	2,4,6-Tribromophenol	81%		10-135%
4165-60-0	Nitrobenzene-d5	57%		10-119%
321-60-8	2-Fluorobiphenyl	54%		18-112%
1718-51-0	Terphenyl-d14	58%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.21	140	ug/kg	J
	system artifact/aldol-condensation	3.27	250	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	14.91	220	ug/kg	JN
	Total TIC, Semi-Volatile		220	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105334.D	1	12/21/21 06:04	CS	12/07/21 10:45	OP36963A	E4M4893
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		10-107%
321-60-8	2-Fluorobiphenyl	56%		17-91%
1718-51-0	Terphenyl-d14	61%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155544.D	1	12/10/21 13:01	RK	12/07/21 10:55	OP36933	GOA5500
Run #2							

	Initial Weight	Final Volume
Run #1	15.6 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.5	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.4	1.9	ug/kg	
93-76-5	2,4,5-T	ND	3.4	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	35%		10-125%
19719-28-9	2,4-DCAA	31%		10-125%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9723476.D	1	12/10/21 10:36	CP	12/07/21 11:25	OP36973	G4G3679
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.65	0.53	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.52	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.58	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.62	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	0.48	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.65	0.52	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.65	0.29	ug/kg	
60-57-1	Dieldrin	ND	0.65	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	0.65	0.59	ug/kg	
72-55-9	4,4'-DDE	ND	0.65	0.57	ug/kg	
50-29-3	4,4'-DDT	ND	0.65	0.57	ug/kg	
72-20-8	Endrin	ND	0.65	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.37	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	0.40	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.65	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.51	ug/kg	
53494-70-5	Endrin ketone	ND	0.65	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		14-145%
877-09-8	Tetrachloro-m-xylene	96%		14-145%
2051-24-3	Decachlorobiphenyl	56%		10-197%
2051-24-3	Decachlorobiphenyl	88%		10-197%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7205.D	1	12/10/21 10:39	RK	12/07/21 11:25	OP36974	GRK186
Run #2							

	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	20	ug/kg	
11141-16-5	Aroclor 1232	ND	32	21	ug/kg	
53469-21-9	Aroclor 1242	ND	32	13	ug/kg	
12672-29-6	Aroclor 1248	ND	32	29	ug/kg	
11097-69-1	Aroclor 1254	ND	32	17	ug/kg	
11096-82-5	Aroclor 1260	ND	32	14	ug/kg	
11100-14-4	Aroclor 1268	ND	32	14	ug/kg	
37324-23-5	Aroclor 1262	ND	32	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		10-163%
877-09-8	Tetrachloro-m-xylene	85%		10-163%
2051-24-3	Decachlorobiphenyl	51%		10-215%
2051-24-3	Decachlorobiphenyl	81%		10-215%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-37-7.0-9.0
Lab Sample ID: JD36115-4
Matrix: SO - Soil
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/03/21
Date Received: 12/03/21
Percent Solids: 95.1

4.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2410	54	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 22	22	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.22	0.22	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.54	0.54	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	4160	540	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	7.4	1.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 5.4	5.4	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	5.9	2.7	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	6040	54	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	11.3	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1720	540	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	77.2	1.6	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.056	0.028	mg/kg	1	12/07/21	12/07/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	18.9	4.3	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.54	0.54	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	9.5	5.4	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	20.3	5.4	mg/kg	1	12/07/21	12/07/21	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA51548
(2) Instrument QC Batch: MA51561
(3) Prep QC Batch: MP30201
(4) Prep QC Batch: MP30212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
		Percent Solids:	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	12/09/21 04:18	EB	SW846 9012B/LACHAT
Solids, Percent	95.1		%	1	12/05/21 15:00	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

4.8

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82229.D	1	12/24/21 20:31	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	2.05 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.0	0.39	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.51	0.26	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.51	0.26	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.51	0.26	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.51	0.26	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.51	0.26	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.51	0.26	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.51	0.26	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.51	0.26	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.51	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.51	0.26	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.51	0.26	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.51	0.26	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.51	0.26	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.51	0.26	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.51	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.51	0.26	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.0	0.51	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.51	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.26	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.26	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-37-7.0-9.0		
Lab Sample ID:	JD36115-4A	**Date Sampled:**	12/03/21
Matrix:	SO - Soil	**Date Received:**	12/03/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	95.1
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	110%		40-140%
	13C5-PFPeA	108%		50-150%
	13C5-PFHxA	109%		50-150%
	13C4-PFHpA	109%		50-150%
	13C8-PFOA	111%		50-150%
	13C9-PFNA	111%		50-150%
	13C6-PFDA	112%		50-150%
	13C7-PFUnDA	110%		40-140%
	13C2-PFDoDA	110%		40-140%
	13C2-PFTeDA	111%		30-130%
	13C3-PFBS	111%		50-150%
	13C3-PFHxS	111%		50-150%
	13C8-PFOS	111%		50-150%
	13C8-FOSA	116%		30-130%
	d3-MeFOSAA	116%		40-140%
	d5-EtFOSAA	117%		40-140%
	13C2-6:2FTS	105%		50-150%
	13C2-8:2FTS	115%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SGS

EHSA-QAC-0023-04-FORM-Standard COC

5ᴼ
5LL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page __ of __

FED-EX Tracking #:
Bottle Order Control #: JS-111121-141
SGS Quote #:
SGS Job #: JD36115

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: TETRA TECH	Project Name: 2ND AVE & 33RD St	
Street Address: 6 Century Dr.	Street:	Company Name:
City / State / Zip: Parsippany NJ 07954	City / State:	Street Address:
Project Contact: Bob Cantagallo; E-mail: Robert.Cantagallo@tetratech.com	Project #:	City / State / Zip:
Phone #: (973) 630-4045	Client Purchase Order #:	Attention:
Sampler(s) Name(s): A. Valli; Phone #:	Project Manager:	

Requested Analysis: V8260 TCL+20; AB 8270 TCL+20; B8270 SIM 1,4-Diox; T8082 PCB 11; T8081 Pest 11; ABISL STD; XMETAL CIN; METAL; LCID 537 NJ 21

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260	AB 8270	B8270 SIM	T8082	T8081	ABISL	XMETAL	METAL	LCID	LAB USE ONLY
1	TT-SB-34-4.0-6.0		12/03/21	0815	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	
2	TT-SB-35-3.0-5.0		12/03/21	0947	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	B16
3	TT-SB-36-6.0-8.0		12/03/21	1108	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	P34
4	TT-SB-37-7.0-9.0		12/03/21	1218	AV	G		SO	6					3			3	✓	✓	✓	✓	✓	✓	✓		✓	SU3

LAB USE ONLY (cont.): EnCore 1445 4998

pH Check (Lab Use Only)

Turn Around Time (Business Days) — Approved By (SGS PM): / Date:
- ☐ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days*
- ☐ 2 Business Days*
- ☐ 1 Business Day*
- ☐ Other
All data available via Lablink. * Approval needed for 1-3 Business Day TAT

Deliverable
- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ NJ Reduced (Level 3)
- ☐ Full Tier I (Level 4)
- ☐ Commercial "C"
- ☐ NJ DKQP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ MA MCP Criteria
- ☐ CT RCP Criteria
- ☐ State Forms
- ☐ EDD Format
- ☐ DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary; Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions: • 3 x 5g EnCores
Initial Assessment 3A EW
Label Verification ______
http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 AV	12/03/21 1254	1 [signature]	2 [signature]	12/3/21 1715	2 [signature]
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not intact ☐ Absent		Therm ID: U; On Ice; Cooler Temp. °C: 2.3 (IP); See Sample Receipt Summary

5.1

JD36115: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD36115 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/3/2021 5:15:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.3);

Cooler Temps (Corrected) °C: Cooler 1: (0.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD36115: Chain of Custody
Page 2 of 3

Job Change Order: JD36115

Requested Date:	12/13/2021	**Received Date:**	12/3/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD36115-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD36115: Chain of Custody
Page 3 of 3

CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD36115

Client / Reporting Information

Company Name:
Street Address:
City / State / Zip:
Project Contact: jadon.schiller@sgs.com | E-mail:
Phone #:
Sampler(s) Name(s): AV | Phone:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl / NaOH / HNO3 / H2SO4 / NONE / DI Water / MEOH / ENCORE	LCID537NY21	LAB USE ONLY
1A	TT-SB-34-4.0-6.0		12/3/21	8:15:00 AM	AV	SO			X	
2A	TT-SB-35-3.0-5.0		12/3/21	9:47:00 AM	AV	SO			X	
3A	TT-SB-36-6.0-8.0		12/3/21	11:08:00 AM	AV	SO			X	
4A	TT-SB-37-7.0-9.0		12/3/21	12:18:00 PM	AV	SO			X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

INITIAL ASSESSMENT

LABEL VERIFICATION SM

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		1	2	12/3/21 1600	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact	Preserved where applicable: Absent / Therm. ID: / On Ice / Cooler Temp. °C: 2.4 1.1

jd36115.xls
Rev. Date: 4/10/18

JD36115: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD36115 **Client:** DAYTON NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/8/2021 10:45:00 AM **Delivery Method:** FED EX **Airbill #'s:**

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: CARLOSD Date: 12/8/2021 10:45:00 A Reviewer: _____ Date: _____

5.2

JD36115: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36272

Sampling Date: 12/06/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 62

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Sample Summary

Tetra Tech

Job No: JD36272

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36272-1	12/06/21	08:55	AV	12/07/21	SO	Soil	TT-SB-38-7.5-9.5
JD36272-1A	12/06/21	08:55	AV	12/07/21	SO	Soil	TT-SB-38-7.5-9.5
JD36272-2	12/06/21	10:24	AV	12/07/21	SO	Soil	TT-SB-39-6.5-8.5
JD36272-2A	12/06/21	10:24	AV	12/07/21	SO	Soil	TT-SB-39-6.5-8.5
JD36272-2AD	12/06/21	10:24	AV	12/07/21	SO	Soil Dup/MSD	TT-SB-39-6.5-8.5
JD36272-2AS	12/06/21	10:24	AV	12/07/21	SO	Soil Matrix Spike	TT-SB-39-6.5-8.5
JD36272-2D	12/06/21	10:24	AV	12/07/21	SO	Soil Dup/MSD	TT-SB-39-6.5-8.5
JD36272-2S	12/06/21	10:24	AV	12/07/21	SO	Soil Matrix Spike	TT-SB-39-6.5-8.5
JD36272-3	12/06/21	11:53	AV	12/07/21	SO	Soil	TT-SB-40-6.0-8.0
JD36272-3A	12/06/21	11:53	AV	12/07/21	SO	Soil	TT-SB-40-6.0-8.0

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No:**	JD36272
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	1/5/2022 11:40:56 AM

On 12/07/2021, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36272 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V3C7574

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36272-2MS, JD36272-2MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene, Cyclohexane, Isopropylbenzene, m,p-Xylene, Methylcyclohexane, o-Xylene, Tetrachloroethene, Xylene (total) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Bromoform, Carbon tetrachloride, Cyclohexane, Ethylbenzene, Styrene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, m,p-Xylene, Xylene (total) are outside control limits for sample JD36272-2MSD. Outside control limits due to matrix interference.
- JD36272-2 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36272-3 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36272-3 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
- JD36272-1 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36272-2 for 1,1-Dichloroethene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36272-1 for Carbon disulfide: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** F:OP88849

- The data for EPA 537M BY ID meets quality control requirements.
- JD36272-2A: Analysis performed at SGS Orlando, FL.
- JD36272-1A: Analysis performed at SGS Orlando, FL.
- JD36272-3A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP37036

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36272-2MS, JD36272-2MSD were used as the QC samples indicated.
- Sample(s) JD36272-1 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, 4-Nitrophenol, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, , Chrysene, Fluoranthene, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to matrix interference and dilution
- Matrix Spike Recovery(s) for Anthracene, Benzo(k)fluoranthene are outside control limits. Outside control limits due to matrix interference and dilution
- JD36272-2: Dilution required due to viscosity of the extract matrix.
- JD36272-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD36272-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36272-1 for 2-Nitroaniline: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for Hexachlorobutadiene: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for Atrazine: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for Acetophenone: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 2-Nitroaniline: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for Hexachlorobutadiene: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for 2-Nitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for Acetophenone: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 2-Nitrophenol: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high,sample was ND.
- JD36272-3 for Atrazine: Associated CCV outside of control limits high,sample was ND.
- JD36272-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high,sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: SO **Batch ID:** OP37036A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36272-2MS, JD36272-2MSD were used as the QC samples indicated.
- JD36272-2: Dilution required due to viscosity of the extract matrix.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP37039

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36272-2MS, JD36272-2MSD, OP37039-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD36272-1: Had TBA cleanup. Confirmation run.
- OP37039-MB1: Had TBA cleanup.
- JD36272-1: Had TBA cleanup.
- JD36272-2: Had TBA cleanup. Confirmation run.
- JD36272-2: Had TBA cleanup.
- JD36272-3: Confirmation run.
- JD36272-3 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD36272-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD36272-1 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-2 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for Aldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD36272-3 for alpha-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD36272-3 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP37040

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36272-2MS, JD36272-2MSD, OP37040-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD36272-2: Had TBA cleanup.
- JD36272-2: Had TBA cleanup. Confirmation run.
- JD36272-3: Had TBA cleanup.
- JD36272-3: Had TBA cleanup. Confirmation run.
- JD36272-1: Confirmation run.
- JD36272-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD36272-3 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP37040-BSD for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP37040-BS1 for Aroclor 1016: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP37040-BSD for Aroclor 1016: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36272-1 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP37040-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: SO **Batch ID:** OP37035

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36272-2MS, JD36272-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for 2,4-D, 2,4,5-T are outside control limits. Outside control limits due to matrix interference
- RPD(s) for MSD for 2,4,5-T, 2,4-D are outside control limits for sample OP37035-MSD. Analytical precision exceeds in-house control limits.
- JD36272-2: Dilution required due to viscosity of the extract matrix.
- OP37035-MS/MSD: Dilution required due to viscosity of the extract matrix.
- JD36272-2 for 2,4-DCAA: Outside control limits due to matrix interference.
- OP37035-BS1 for 2,4,5-TP (Silvex): Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD36272-3 for 2,4-DCAA: Outside control limits due to matrix interference.
- JD36272-1 for 2,4-DCAA: Outside control limits due to matrix interference.
- OP37035-BSD for 2,4,5-TP (Silvex): Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP30281

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36272-2PS, JD36272-2SDL, JD36272-2MS, JD36272-2MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Magnesium, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Zinc are outside control limits for sample MP30281-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cadmium, Selenium, Silver, Thallium, Magnesium, Sodium, Zinc are outside control limits for sample MP30281-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD36272-1 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD36272-1 for Manganese: Elevated detection limit due to dilution required for high interfering element.
- JD36272-1 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36272-1 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD36272-1 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD36272-1 for Copper: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP30267

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36272-2MS, JD36272-2MSD were used as the QC samples for metals.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN24560

- Sample(s) JD36272-2DUP were used as the QC samples for Solids, Percent.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP37469

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36272-2DUP, JD36272-2MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP37469-D1. RPD acceptable due to low duplicate and sample concentrations.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD36272
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/29/2021 10:37:52

On 12/07/2021, 3 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36272 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: SO **Batch ID:** OP88849

Sample(s) JD36176-13AMS, JD36176-13AMSD were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD36272
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36272-1	**TT-SB-38-7.5-9.5**					
Acetone		11.5 J	12	4.9	ug/kg	SW846 8260D
Acenaphthene		233	37	13	ug/kg	SW846 8270E
Acenaphthylene		78.1	37	19	ug/kg	SW846 8270E
Anthracene		619	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		1120	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		1130	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		1470	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		664	37	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		570	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		44.4 J	74	5.1	ug/kg	SW846 8270E
Carbazole		293	74	5.4	ug/kg	SW846 8270E
Chrysene		1150	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		219	37	16	ug/kg	SW846 8270E
Dibenzofuran		237	74	15	ug/kg	SW846 8270E
Di-n-butyl phthalate		13.6 JB	74	6.0	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		56.0 J	74	8.7	ug/kg	SW846 8270E
Fluoranthene		2170	37	17	ug/kg	SW846 8270E
Fluorene		322	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		806	37	17	ug/kg	SW846 8270E
2-Methylnaphthalene		157	37	8.4	ug/kg	SW846 8270E
Naphthalene		273	37	10	ug/kg	SW846 8270E
Phenanthrene		2010	37	12	ug/kg	SW846 8270E
Pyrene		2180	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		7430 J			ug/kg	
Aldrin [a]		2.1	0.72	0.59	ug/kg	SW846 8081B
Dieldrin [a]		1.1	0.72	0.50	ug/kg	SW846 8081B
4,4'-DDD [b]		4.8	0.72	0.66	ug/kg	SW846 8081B
4,4'-DDE [b]		4.3	0.72	0.63	ug/kg	SW846 8081B
4,4'-DDT [b]		4.8	0.72	0.64	ug/kg	SW846 8081B
Aluminum		7760	60		mg/kg	SW846 6010D
Arsenic [c]		9.4	4.8		mg/kg	SW846 6010D
Barium		425	24		mg/kg	SW846 6010D
Beryllium		0.52	0.24		mg/kg	SW846 6010D
Cadmium		0.69	0.60		mg/kg	SW846 6010D
Calcium		30900	1200		mg/kg	SW846 6010D
Chromium		16.4	1.2		mg/kg	SW846 6010D
Cobalt		6.5	6.0		mg/kg	SW846 6010D
Copper [c]		45.5	6.0		mg/kg	SW846 6010D
Iron		25500	120		mg/kg	SW846 6010D
Lead		563	2.4		mg/kg	SW846 6010D
Magnesium		4230	600		mg/kg	SW846 6010D
Manganese [c]		261	3.6		mg/kg	SW846 6010D
Mercury		0.40	0.037		mg/kg	SW846 7471B

Summary of Hits

Job Number: JD36272
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nickel		26.4	4.8		mg/kg	SW846 6010D
Potassium		1390	1200		mg/kg	SW846 6010D
Vanadium		25.0	6.0		mg/kg	SW846 6010D
Zinc		342	12		mg/kg	SW846 6010D
Cyanide		0.38	0.25		mg/kg	SW846 9012B/LACHAT
JD36272-1A	**TT-SB-38-7.5-9.5**					
No hits reported in this sample.						
JD36272-2	**TT-SB-39-6.5-8.5**					
Acetone		10.1 J	11	4.5	ug/kg	SW846 8260D
Acenaphthene [d]		258	180	62	ug/kg	SW846 8270E
Anthracene [d]		604	180	110	ug/kg	SW846 8270E
Benzo(a)anthracene [d]		1300	180	51	ug/kg	SW846 8270E
Benzo(a)pyrene [d]		1300	180	81	ug/kg	SW846 8270E
Benzo(b)fluoranthene [d]		1780	180	79	ug/kg	SW846 8270E
Benzo(g,h,i)perylene [d]		670	180	89	ug/kg	SW846 8270E
Benzo(k)fluoranthene [d]		610	180	83	ug/kg	SW846 8270E
1,1'-Biphenyl [d]		43.5 J	360	24	ug/kg	SW846 8270E
Carbazole [d]		271 J	360	26	ug/kg	SW846 8270E
Chrysene [d]		1280	180	56	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene [d]		250	180	79	ug/kg	SW846 8270E
Dibenzofuran [d]		237 J	360	73	ug/kg	SW846 8270E
Di-n-butyl phthalate [d]		126 J	360	29	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate [d]		465	360	42	ug/kg	SW846 8270E
Fluoranthene [d]		2900	180	80	ug/kg	SW846 8270E
Fluorene [d]		363	180	82	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene [d]		961	180	84	ug/kg	SW846 8270E
2-Methylnaphthalene [d]		167 J	180	40	ug/kg	SW846 8270E
Naphthalene [d]		279	180	50	ug/kg	SW846 8270E
Phenanthrene [d]		2090	180	60	ug/kg	SW846 8270E
Pyrene [d]		2680	180	57	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1100 J			ug/kg	
Aldrin [a]		1.2	0.69	0.57	ug/kg	SW846 8081B
gamma-BHC (Lindane) [a]		3.1	0.69	0.51	ug/kg	SW846 8081B
4,4'-DDD [b]		9.5	0.69	0.63	ug/kg	SW846 8081B
4,4'-DDE [b]		14.8	0.69	0.60	ug/kg	SW846 8081B
Aluminum		6390	55		mg/kg	SW846 6010D
Arsenic		5.2	2.2		mg/kg	SW846 6010D
Barium		63.4	22		mg/kg	SW846 6010D
Beryllium		0.42	0.22		mg/kg	SW846 6010D
Calcium		43100	2800		mg/kg	SW846 6010D
Chromium		13.1	1.1		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD36272
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cobalt		6.1	5.5		mg/kg	SW846 6010D
Copper		28.6	2.8		mg/kg	SW846 6010D
Iron		12800	55		mg/kg	SW846 6010D
Lead		79.4	2.2		mg/kg	SW846 6010D
Magnesium		7350	550		mg/kg	SW846 6010D
Manganese		202	1.7		mg/kg	SW846 6010D
Mercury		0.086	0.037		mg/kg	SW846 7471B
Nickel		23.9	4.4		mg/kg	SW846 6010D
Potassium		1250	1100		mg/kg	SW846 6010D
Silver		1.1	0.55		mg/kg	SW846 6010D
Vanadium		23.8	5.5		mg/kg	SW846 6010D
Zinc		68.5	11		mg/kg	SW846 6010D
JD36272-2A	**TT-SB-39-6.5-8.5**					
No hits reported in this sample.						
JD36272-3	**TT-SB-40-6.0-8.0**					
Acetone		19.4	9.9	4.1	ug/kg	SW846 8260D
Carbon disulfide [e]		0.90 J	2.0	0.53	ug/kg	SW846 8260D
Total TIC, Volatile		123.3 J			ug/kg	
Acenaphthene		347	37	13	ug/kg	SW846 8270E
Acenaphthylene		250	37	19	ug/kg	SW846 8270E
Anthracene		894	37	23	ug/kg	SW846 8270E
Benzo(a)anthracene		1860	37	11	ug/kg	SW846 8270E
Benzo(a)pyrene		1970	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		2490	37	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		1200	37	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		904	37	17	ug/kg	SW846 8270E
1,1'-Biphenyl		40.3 J	75	5.1	ug/kg	SW846 8270E
Carbazole		297	75	5.4	ug/kg	SW846 8270E
Chrysene		2130	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		350	37	17	ug/kg	SW846 8270E
Dibenzofuran		384	75	15	ug/kg	SW846 8270E
Fluoranthene		5110	370	170	ug/kg	SW846 8270E
Fluorene		469	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		1490	37	18	ug/kg	SW846 8270E
2-Methylnaphthalene		86.3	37	8.4	ug/kg	SW846 8270E
Naphthalene		265	37	11	ug/kg	SW846 8270E
Phenanthrene		4870	370	130	ug/kg	SW846 8270E
Pyrene		5670	370	120	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		11120 J			ug/kg	
Aldrin [f]		2.6	0.73	0.60	ug/kg	SW846 8081B
alpha-BHC [f]		0.74	0.73	0.59	ug/kg	SW846 8081B

Summary of Hits

Job Number: JD36272
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21

Lab Sample ID / Analyte	Client Sample ID / Result/ Qual	RL	MDL	Units	Method
gamma-BHC (Lindane) [f]	3.1	0.73	0.54	ug/kg	SW846 8081B
alpha-Chlordane [f]	5.5	0.73	0.59	ug/kg	SW846 8081B
Dieldrin [f]	2.2	0.73	0.50	ug/kg	SW846 8081B
4,4'-DDD	49.2	0.73	0.67	ug/kg	SW846 8081B
4,4'-DDE [f]	12.7	0.73	0.64	ug/kg	SW846 8081B
4,4'-DDT	10.5	0.73	0.64	ug/kg	SW846 8081B
Endosulfan-II	5.6	0.73	0.45	ug/kg	SW846 8081B
Aluminum	6240	54		mg/kg	SW846 6010D
Arsenic	6.4	2.2		mg/kg	SW846 6010D
Barium	738	22		mg/kg	SW846 6010D
Beryllium	0.37	0.22		mg/kg	SW846 6010D
Cadmium	0.64	0.54		mg/kg	SW846 6010D
Calcium	34400	2700		mg/kg	SW846 6010D
Chromium	18.7	1.1		mg/kg	SW846 6010D
Copper	26.6	2.7		mg/kg	SW846 6010D
Iron	11600	54		mg/kg	SW846 6010D
Lead	374	2.2		mg/kg	SW846 6010D
Magnesium	5560	540		mg/kg	SW846 6010D
Manganese	271	1.6		mg/kg	SW846 6010D
Mercury	0.11	0.033		mg/kg	SW846 7471B
Nickel	17.2	4.4		mg/kg	SW846 6010D
Silver	1.1	0.54		mg/kg	SW846 6010D
Vanadium	21.3	5.4		mg/kg	SW846 6010D
Zinc	455	11		mg/kg	SW846 6010D

JD36272-3A TT-SB-40-6.0-8.0

No hits reported in this sample.

(a) Had TBA cleanup. More than 40 % RPD for detected concentrations between the two GC columns.
(b) Had TBA cleanup.
(c) Elevated detection limit due to dilution required for high interfering element.
(d) Dilution required due to viscosity of the extract matrix.
(e) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
(f) More than 40 % RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C171893.D	1	12/08/21 16:25	PS	12/08/21 08:36	n/a	V3C7574
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.5	12	4.9	ug/kg	J
71-43-2	Benzene	ND	0.59	0.54	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.66	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.51	ug/kg	
75-25-2	Bromoform	ND	5.9	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.90	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide [a]	ND	2.4	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.54	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.70	ug/kg	
67-66-3	Chloroform	ND	2.4	0.61	ug/kg	
74-87-3	Chloromethane	ND	5.9	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.78	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.82	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.66	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.65	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.86	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.56	ug/kg	
75-35-4	1,1-Dichloroethene [a]	ND	1.2	0.78	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.54	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.54	ug/kg	
76-13-1	Freon 113	ND	5.9	3.2	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	5.9	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.56	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.7	ug/kg	
75-09-2	Methylene chloride	ND	5.9	3.1	ug/kg	
100-42-5	Styrene	ND	2.4	0.48	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.71	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.69	ug/kg	
108-88-3	Toluene	ND	1.2	0.62	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	3.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.66	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.90	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.81	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.57	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		72-130%
17060-07-0	1,2-Dichloroethane-D4	118%		75-131%
2037-26-5	Toluene-D8	96%		81-121%
460-00-4	4-Bromofluorobenzene	114%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176924.D	1	12/10/21 22:02	KLS	12/08/21 12:05	OP37036	EM7605
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	74	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	66	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	74	24	ug/kg	
	3&4-Methylphenol	ND	74	30	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	190	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	99	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	74	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	233	37	13	ug/kg	
208-96-8	Acenaphthylene	78.1	37	19	ug/kg	
98-86-2	Acetophenone [a]	ND	190	8.0	ug/kg	
120-12-7	Anthracene	619	37	23	ug/kg	
1912-24-9	Atrazine [a]	ND	74	16	ug/kg	
56-55-3	Benzo(a)anthracene	1120	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	1130	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	1470	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	664	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	570	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	44.4	74	5.1	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	8.8	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	293	74	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	15	ug/kg	
218-01-9	Chrysene	1150	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	74	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	74	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	219	37	16	ug/kg	
132-64-9	Dibenzofuran	237	74	15	ug/kg	
84-74-2	Di-n-butyl phthalate	13.6	74	6.0	ug/kg	JB
117-84-0	Di-n-octyl phthalate	ND	74	9.2	ug/kg	
84-66-2	Diethyl phthalate	ND	74	7.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	6.6	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	56.0	74	8.7	ug/kg	J
206-44-0	Fluoranthene	2170	37	17	ug/kg	
86-73-7	Fluorene	322	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	9.4	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	806	37	17	ug/kg	
78-59-1	Isophorone	ND	74	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	157	37	8.4	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	190	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.6	ug/kg	
91-20-3	Naphthalene	273	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	74	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	2010	37	12	ug/kg	
129-00-0	Pyrene	2180	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-105%
118-79-6	2,4,6-Tribromophenol	39%		10-135%
4165-60-0	Nitrobenzene-d5	45%		10-119%
321-60-8	2-Fluorobiphenyl	42%		18-112%
1718-51-0	Terphenyl-d14	41%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.78	320	ug/kg	J
	System artifact	3.19	210	ug/kg	J
	System artifact/aldol-condensation	3.27	4500	ug/kg	J
	C3 alkyl benzene	4.39	190	ug/kg	J
	Unknown	8.69	330	ug/kg	J
	Unknown	10.14	290	ug/kg	J
	Unknown	10.19	270	ug/kg	J
	Phenanthrene methyl	11.52	260	ug/kg	J
	Phenanthrene methyl	11.57	340	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	11.70	460	ug/kg	JN
	Phenanthrene methyl	11.76	210	ug/kg	J
	Naphthalene, phenyl-	12.13	290	ug/kg	J
	Phenanthrene dimethyl	12.62	220	ug/kg	J
	Unknown	12.73	190	ug/kg	J
	Unknown	12.78	250	ug/kg	J
	Unknown	12.99	190	ug/kg	J
	Pyrene methyl	13.99	430	ug/kg	J
	Pyrene methyl	14.13	230	ug/kg	J
	Octadecenamide	14.90	230	ug/kg	J
	Unknown	15.28	210	ug/kg	J
	Unknown PAH substance	17.87	400	ug/kg	J
	Unknown PAH substance	18.16	930	ug/kg	J
	Unknown	18.95	220	ug/kg	J
	Unknown	19.06	280	ug/kg	J
	Unknown	19.74	280	ug/kg	J
	Unknown	19.87	260	ug/kg	J
	Unknown PAH substance	20.24	210	ug/kg	J
	Unknown PAH substance	20.71	260	ug/kg	J
	Total TIC, Semi-Volatile		7430	ug/kg	J

(a) Associated CCV outside of control limits high,sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-38-7.5-9.5
Lab Sample ID: JD36272-1
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: 86.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105482.D	1	12/24/21 01:37	CS	12/08/21 15:47	OP37036A	E4M4898
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		10-107%
321-60-8	2-Fluorobiphenyl	53%		17-91%
1718-51-0	Terphenyl-d14	54%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134528.D	1	12/11/21 01:07	RK	12/09/21 09:55	OP37035	G3G4907
Run #2							

	Initial Weight	Final Volume
Run #1	16.7 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	7.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.5	2.0	ug/kg	
93-76-5	2,4,5-T	ND	3.5	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	165% [a]		10-125%
19719-28-9	2,4-DCAA	9% [a]		10-125%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172107.D	1	12/16/21 01:58	CP	12/09/21 11:25	OP37039	G1G5938
Run #2 [b]	1G172135.D	5	12/16/21 22:09	TL	12/09/21 11:25	OP37039	G1G5939

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2	16.1 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [c]	2.1	0.72	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.72	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.72	0.65	ug/kg	
319-86-8	delta-BHC	ND	0.72	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.72	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.72	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.72	0.33	ug/kg	
60-57-1	Dieldrin [c]	1.1	0.72	0.50	ug/kg	
72-54-8	4,4'-DDD	4.8	0.72	0.66	ug/kg	
72-55-9	4,4'-DDE	4.3	0.72	0.63	ug/kg	
50-29-3	4,4'-DDT	4.8	0.72	0.64	ug/kg	
72-20-8	Endrin	ND	0.72	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.72	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.72	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.72	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.72	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.72	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.72	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	0.72	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	100%	14-145%
877-09-8	Tetrachloro-m-xylene	80%	79%	14-145%
2051-24-3	Decachlorobiphenyl	83%	93%	10-197%
2051-24-3	Decachlorobiphenyl	202% [d]	222% [d]	10-197%

(a) Had TBA cleanup.
(b) Had TBA cleanup. Confirmation run.
(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(d) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK7270.D	1	12/13/21 08:02	CP	12/09/21 11:25	OP37040	GRK187
Run #2 [a]	RK7336.D	1	12/14/21 14:22	TL	12/09/21 11:25	OP37040	GRK189

	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2	16.1 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%	91%	10-163%
877-09-8	Tetrachloro-m-xylene	81%	86%	10-163%
2051-24-3	Decachlorobiphenyl	55%	58%	10-215%
2051-24-3	Decachlorobiphenyl	225% [b]	231% [b]	10-215%

(a) Confirmation run.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7760	60	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.4	2.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic [a]	9.4	4.8	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Barium	425	24	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.52	0.24	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	0.69	0.60	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	30900	1200	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	16.4	1.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	6.5	6.0	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper [a]	45.5	6.0	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Iron	25500	120	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Lead	563	2.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	4230	600	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese [a]	261	3.6	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Mercury	0.40	0.037	mg/kg	1	12/09/21	12/09/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	26.4	4.8	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	1390	1200	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium [a]	< 4.8	4.8	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Silver [a]	< 1.2	1.2	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Sodium	< 1200	1200	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium [a]	< 2.4	2.4	mg/kg	2	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Vanadium	25.0	6.0	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	342	12	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51559
(2) Instrument QC Batch: MA51591
(3) Instrument QC Batch: MA51612
(4) Prep QC Batch: MP30267
(5) Prep QC Batch: MP30281

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.38	0.25	mg/kg	1	12/14/21 16:17	EB	SW846 9012B/LACHAT
Solids, Percent	86.2		%	1	12/08/21 16:11	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82237.D	1	12/24/21 23:00	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	2.00 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.2	0.44	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.58	0.29	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.58	0.29	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.58	0.29	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.58	0.29	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.58	0.29	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.58	0.29	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.58	0.29	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.58	0.29	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.58	0.31	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.58	0.29	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.58	0.29	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.58	0.29	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.58	0.29	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.58	0.29	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.58	0.29	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.2	0.58	ug/kg	
2991-50-6	EtFOSAA	ND	1.2	0.58	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.2	0.29	ug/kg	

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RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-38-7.5-9.5		
Lab Sample ID:	JD36272-1A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	86.2
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%		40-140%
	13C5-PFPeA	84%		50-150%
	13C5-PFHxA	84%		50-150%
	13C4-PFHpA	86%		50-150%
	13C8-PFOA	85%		50-150%
	13C9-PFNA	81%		50-150%
	13C6-PFDA	77%		50-150%
	13C7-PFUnDA	73%		40-140%
	13C2-PFDoDA	80%		40-140%
	13C2-PFTeDA	90%		30-130%
	13C3-PFBS	87%		50-150%
	13C3-PFHxS	88%		50-150%
	13C8-PFOS	84%		50-150%
	13C8-FOSA	72%		30-130%
	d3-MeFOSAA	83%		40-140%
	d5-EtFOSAA	90%		40-140%
	13C2-6:2FTS	85%		50-150%
	13C2-8:2FTS	83%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-39-6.5-8.5
Lab Sample ID: JD36272-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: 90.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C171892.D	1	12/08/21 15:59	PS	12/08/21 08:36	n/a	V3C7574
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.1	11	4.5	ug/kg	J
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.61	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.46	ug/kg	
75-25-2	Bromoform	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.83	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide [a]	ND	2.2	0.58	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.64	ug/kg	
67-66-3	Chloroform	ND	2.2	0.56	ug/kg	
74-87-3	Chloromethane	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.71	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.75	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.61	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.54	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.54	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	0.79	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.54	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethene [a]	ND	1.1	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.4	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.95	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.4	2.8	ug/kg	
100-42-5	Styrene	ND	2.2	0.44	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.65	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.63	ug/kg	
108-88-3	Toluene	ND	1.1	0.57	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.60	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.83	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.74	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.97	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.50	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-130%
17060-07-0	1,2-Dichloroethane-D4	116%		75-131%
2037-26-5	Toluene-D8	108%		81-121%
460-00-4	4-Bromofluorobenzene	119%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M177067.D	5	12/17/21 15:16	JY	12/08/21 12:05	OP37036	EM7612
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	360	88	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	890	110	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	890	150	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	890	320	ug/kg	
51-28-5	2,4-Dinitrophenol [b]	ND	890	670	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	890	190	ug/kg	
95-48-7	2-Methylphenol	ND	360	110	ug/kg	
	3&4-Methylphenol	ND	360	150	ug/kg	
88-75-5	2-Nitrophenol [b]	ND	890	120	ug/kg	
100-02-7	4-Nitrophenol	ND	1800	480	ug/kg	
87-86-5	Pentachlorophenol	ND	720	170	ug/kg	
108-95-2	Phenol	ND	360	93	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	890	120	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	890	130	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	890	110	ug/kg	
83-32-9	Acenaphthene	258	180	62	ug/kg	
208-96-8	Acenaphthylene	ND	180	91	ug/kg	
98-86-2	Acetophenone [b]	ND	890	38	ug/kg	
120-12-7	Anthracene	604	180	110	ug/kg	
1912-24-9	Atrazine [b]	ND	360	77	ug/kg	
56-55-3	Benzo(a)anthracene	1300	180	51	ug/kg	
50-32-8	Benzo(a)pyrene	1300	180	81	ug/kg	
205-99-2	Benzo(b)fluoranthene	1780	180	79	ug/kg	
191-24-2	Benzo(g,h,i)perylene	670	180	89	ug/kg	
207-08-9	Benzo(k)fluoranthene	610	180	83	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	360	69	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	44	ug/kg	
92-52-4	1,1'-Biphenyl	43.5	360	24	ug/kg	J
100-52-7	Benzaldehyde	ND	890	44	ug/kg	
91-58-7	2-Chloronaphthalene	ND	360	43	ug/kg	
106-47-8	4-Chloroaniline	ND	890	64	ug/kg	
86-74-8	Carbazole	271	360	26	ug/kg	J

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [b]	ND	360	71	ug/kg	
218-01-9	Chrysene	1280	180	56	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	360	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	360	77	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	360	64	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	360	58	ug/kg	
121-14-2	2,4-Dinitrotoluene [b]	ND	180	55	ug/kg	
606-20-2	2,6-Dinitrotoluene [b]	ND	180	90	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	150	ug/kg	
123-91-1	1,4-Dioxane	ND	180	120	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	250	180	79	ug/kg	
132-64-9	Dibenzofuran	237	360	73	ug/kg	J
84-74-2	Di-n-butyl phthalate	126	360	29	ug/kg	J
117-84-0	Di-n-octyl phthalate	ND	360	45	ug/kg	
84-66-2	Diethyl phthalate	ND	360	38	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	32	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	465	360	42	ug/kg	
206-44-0	Fluoranthene	2900	180	80	ug/kg	
86-73-7	Fluorene	363	180	82	ug/kg	
118-74-1	Hexachlorobenzene	ND	360	45	ug/kg	
87-68-3	Hexachlorobutadiene [b]	ND	180	72	ug/kg	
77-47-4	Hexachlorocyclopentadiene [c]	ND	1800	71	ug/kg	
67-72-1	Hexachloroethane [b]	ND	890	89	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	961	180	84	ug/kg	
78-59-1	Isophorone	ND	360	38	ug/kg	
91-57-6	2-Methylnaphthalene	167	180	40	ug/kg	J
88-74-4	2-Nitroaniline [b]	ND	890	42	ug/kg	
99-09-2	3-Nitroaniline	ND	890	45	ug/kg	
100-01-6	4-Nitroaniline	ND	890	46	ug/kg	
91-20-3	Naphthalene	279	180	50	ug/kg	
98-95-3	Nitrobenzene	ND	360	69	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	360	52	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	890	65	ug/kg	
85-01-8	Phenanthrene	2090	180	60	ug/kg	
129-00-0	Pyrene	2680	180	57	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	890	45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	42%		10-105%
118-79-6	2,4,6-Tribromophenol	42%		10-135%
4165-60-0	Nitrobenzene-d5	50%		10-119%
321-60-8	2-Fluorobiphenyl	45%		18-112%
1718-51-0	Terphenyl-d14	43%		18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown PAH substance	18.27	1100	ug/kg	J
	Total TIC, Semi-Volatile		1100	ug/kg	J

(a) Dilution required due to viscosity of the extract matrix.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4M105486.D	5	12/24/21 02:58	CS	12/08/21 15:47	OP37036A	E4M4898
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	18	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		10-107%
321-60-8	2-Fluorobiphenyl	52%		17-91%
1718-51-0	Terphenyl-d14	52%		17-105%

(a) Dilution required due to viscosity of the extract matrix.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3G134529.D	5	12/11/21 01:35	RK	12/09/21 09:55	OP37035	G3G4907
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	87	39	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	17	9.9	ug/kg	
93-76-5	2,4,5-T	ND	17	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	126% [b]		10-125%
19719-28-9	2,4-DCAA	59%		10-125%

(a) Dilution required due to viscosity of the extract matrix.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G172109.D	1	12/16/21 02:34	CP	12/09/21 11:25	OP37039	G1G5938
Run #2 [b]	1G172137.D	5	12/16/21 22:46	TL	12/09/21 11:25	OP37039	G1G5939

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2	16.0 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [c]	1.2	0.69	0.57	ug/kg	
319-84-6	alpha-BHC	ND	0.69	0.56	ug/kg	
319-85-7	beta-BHC	ND	0.69	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.69	0.66	ug/kg	
58-89-9	gamma-BHC (Lindane) [c]	3.1	0.69	0.51	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69	0.56	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.69	0.47	ug/kg	
72-54-8	4,4'-DDD	9.5	0.69	0.63	ug/kg	
72-55-9	4,4'-DDE	14.8	0.69	0.60	ug/kg	
50-29-3	4,4'-DDT	ND	0.69	0.61	ug/kg	
72-20-8	Endrin	ND	0.69	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.55	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.50	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%	91%	14-145%
877-09-8	Tetrachloro-m-xylene	75%	84%	14-145%
2051-24-3	Decachlorobiphenyl	46%	67%	10-197%
2051-24-3	Decachlorobiphenyl	121%	166%	10-197%

(a) Had TBA cleanup.
(b) Had TBA cleanup. Confirmation run.
(c) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	RK7394.D	1	12/16/21 00:31	CP	12/09/21 11:25	OP37040	GRK191
Run #2 [b]	RK7355.D	1	12/15/21 03:09	CP	12/09/21 11:25	OP37040	GRK190

	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2	16.0 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	31	ug/kg	
11097-69-1	Aroclor 1254	ND	34	19	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	15	ug/kg	
37324-23-5	Aroclor 1262	ND	34	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%	70%	10-163%
877-09-8	Tetrachloro-m-xylene	78%	73%	10-163%
2051-24-3	Decachlorobiphenyl	37%	34%	10-215%
2051-24-3	Decachlorobiphenyl	160%	118%	10-215%

(a) Had TBA cleanup.
(b) Had TBA cleanup. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6390	55	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	5.2	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	63.4	22	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.42	0.22	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	< 0.55	0.55	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	43100	2800	mg/kg	5	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	13.1	1.1	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	6.1	5.5	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	28.6	2.8	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	12800	55	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	79.4	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	7350	550	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	202	1.7	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.086	0.037	mg/kg	1	12/09/21	12/09/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	23.9	4.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	1250	1100	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver	1.1	0.55	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	23.8	5.5	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	68.5	11	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51559
(2) Instrument QC Batch: MA51591
(3) Instrument QC Batch: MA51612
(4) Prep QC Batch: MP30267
(5) Prep QC Batch: MP30281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/14/21 16:19	EB	SW846 9012B/LACHAT
Solids, Percent	90.5		%	1	12/08/21 16:11	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82238.D	1	12/24/21 23:18	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	1.98 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39-6.5-8.5		
Lab Sample ID:	JD36272-2A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	90.5
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	96%		40-140%
	13C5-PFPeA	95%		50-150%
	13C5-PFHxA	95%		50-150%
	13C4-PFHpA	96%		50-150%
	13C8-PFOA	96%		50-150%
	13C9-PFNA	95%		50-150%
	13C6-PFDA	90%		50-150%
	13C7-PFUnDA	83%		40-140%
	13C2-PFDoDA	88%		40-140%
	13C2-PFTeDA	98%		30-130%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	97%		50-150%
	13C8-PFOS	95%		50-150%
	13C8-FOSA	97%		30-130%
	d3-MeFOSAA	103%		40-140%
	d5-EtFOSAA	109%		40-140%
	13C2-6:2FTS	94%		50-150%
	13C2-8:2FTS	95%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C171894.D	1	12/08/21 16:50	PS	12/08/21 08:36	n/a	V3C7574
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.4	9.9	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.45	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.9	2.4	ug/kg	
75-15-0	Carbon disulfide [a]	0.90	2.0	0.53	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	1.9	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.65	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.99	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.99	0.54	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.99	0.49	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.99	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.99	0.49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.99	0.47	ug/kg	
75-35-4	1,1-Dichloroethene [b]	ND	0.99	0.65	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.99	0.83	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.99	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.45	ug/kg	
100-41-4	Ethylbenzene	ND	0.99	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-40-6.0-8.0
Lab Sample ID: JD36272-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: 88.3

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.87	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.99	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	0.99	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	0.99	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	0.99	0.89	ug/kg	
95-47-6	o-Xylene	ND	0.99	0.45	ug/kg	
1330-20-7	Xylene (total)	ND	0.99	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		72-130%
17060-07-0	1,2-Dichloroethane-D4	120%		75-131%
2037-26-5	Toluene-D8	103%		81-121%
460-00-4	4-Bromofluorobenzene	109%		60-141%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	10.61	6.1	ug/kg	J
	1H-indene-dihydro-dimethyl- isomer	10.90	7.1	ug/kg	J
91-20-3	Naphthalene	11.05	9.1	ug/kg	JN
	1H-indene-dihydro-dimethyl- isomer	11.31	20	ug/kg	J
	unknown	11.44	8	ug/kg	J
	unknown	11.55	5.3	ug/kg	J
	1H-Indene-dihydro-trimethyl- isomer	11.61	6.3	ug/kg	J
	alkane	11.77	7.2	ug/kg	J
91-57-6	Naphthalene, 2-methyl-	11.91	15	ug/kg	JN
	Naphthalene, methyl- isomer	12.05	13	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8260D SW846 5035	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	12.14	8	ug/kg	J
	unknown	12.26	7.2	ug/kg	J
	alkane	12.36	11	ug/kg	J
	Total TIC, Volatile		123.3	ug/kg	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176925.D	1	12/10/21 22:32	KLS	12/08/21 12:05	OP37036	EM7605
Run #2	M177008.D	10	12/13/21 21:47	KLS	12/08/21 12:05	OP37036	EM7608

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	370	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	347	37	13	ug/kg	
208-96-8	Acenaphthylene	250	37	19	ug/kg	
98-86-2	Acetophenone [a]	ND	190	8.0	ug/kg	
120-12-7	Anthracene	894	37	23	ug/kg	
1912-24-9	Atrazine [a]	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	1860	37	11	ug/kg	
50-32-8	Benzo(a)pyrene	1970	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	2490	37	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1200	37	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	904	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.1	ug/kg	
92-52-4	1,1'-Biphenyl	40.3	75	5.1	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	13	ug/kg	
86-74-8	Carbazole	297	75	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-40-6.0-8.0
Lab Sample ID: JD36272-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: 88.3

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	15	ug/kg	
218-01-9	Chrysene	2130	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	8.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	75	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	12	ug/kg	
121-14-2	2,4-Dinitrotoluene [a]	ND	37	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	75	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	350	37	17	ug/kg	
132-64-9	Dibenzofuran	384	75	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	6.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	9.3	ug/kg	
84-66-2	Diethyl phthalate	ND	75	8.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	6.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	8.7	ug/kg	
206-44-0	Fluoranthene	5110 [b]	370	170	ug/kg	
86-73-7	Fluorene	469	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	9.5	ug/kg	
87-68-3	Hexachlorobutadiene [a]	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1490	37	18	ug/kg	
78-59-1	Isophorone	ND	75	8.0	ug/kg	
91-57-6	2-Methylnaphthalene	86.3	37	8.4	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	190	8.8	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.3	ug/kg	
100-01-6	4-Nitroaniline	ND	190	9.7	ug/kg	
91-20-3	Naphthalene	265	37	11	ug/kg	
98-95-3	Nitrobenzene	ND	75	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	75	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	4870 [b]	370	130	ug/kg	
129-00-0	Pyrene	5670 [b]	370	120	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%	42%	10-109%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3546	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	39%	38%	10-105%
118-79-6	2,4,6-Tribromophenol	54%	67%	10-135%
4165-60-0	Nitrobenzene-d5	52%	56%	10-119%
321-60-8	2-Fluorobiphenyl	46%	57%	18-112%
1718-51-0	Terphenyl-d14	46%	60%	18-125%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact/aldol-condensation	3.26	470	ug/kg	J
	Alkane	6.10	270	ug/kg	J
	Alkane	7.59	480	ug/kg	J
	Unknown	7.78	240	ug/kg	J
	Naphthalene trimethyl	8.35	270	ug/kg	J
	Naphthalene trimethyl	8.48	280	ug/kg	J
	Alkane	9.70	660	ug/kg	J
	9H-Fluorene, methyl-	9.89	210	ug/kg	J
132-65-0	Dibenzothiophene	10.33	330	ug/kg	JN
	Phenanthrene methyl	11.52	490	ug/kg	J
	Phenanthrene methyl	11.57	610	ug/kg	J
	Phenanthrene methyl	11.66	230	ug/kg	J
203-64-5	4H-Cyclopenta[def]phenanthrene	11.71	920	ug/kg	JN
	Phenanthrene methyl	11.77	370	ug/kg	J
	Naphthalene, phenyl-	12.13	700	ug/kg	J
	Phenanthrene dimethyl	12.62	370	ug/kg	J
	Unknown	12.98	270	ug/kg	J
	Pyrene methyl	14.00	300	ug/kg	J
	Pyrene methyl	14.14	270	ug/kg	J
	Unknown	15.28	270	ug/kg	J
	Unknown PAH substance	17.88	560	ug/kg	J
	Unknown PAH substance	18.16	1600	ug/kg	J
	Unknown	19.88	420	ug/kg	J
	Unknown PAH substance	20.25	300	ug/kg	J
	Unknown PAH substance	20.30	290	ug/kg	J
	Unknown PAH substance	20.71	410	ug/kg	J
	Total TIC, Semi-Volatile		11120	ug/kg	J

(a) Associated CCV outside of control limits high,sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-40-6.0-8.0
Lab Sample ID: JD36272-3
Matrix: SO - Soil
Method: SW846 8270E BY SIM SW846 3546
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: 88.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105483.D	1	12/24/21 01:57	CS	12/08/21 15:47	OP37036A	E4M4898
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	3.7	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		10-107%
321-60-8	2-Fluorobiphenyl	55%		17-91%
1718-51-0	Terphenyl-d14	60%		17-105%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3546	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G134532.D	1	12/11/21 02:57	RK	12/09/21 09:55	OP37035	G3G4907
Run #2							

	Initial Weight	Final Volume
Run #1	15.4 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	18	8.2	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.7	2.1	ug/kg	
93-76-5	2,4,5-T	ND	3.7	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	1164% [a]		10-125%
19719-28-9	2,4-DCAA	59%		10-125%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3546	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G172108.D	1	12/16/21 02:16	CP	12/09/21 11:25	OP37039	G1G5938
Run #2 [a]	1G172136.D	5	12/16/21 22:28	TL	12/09/21 11:25	OP37039	G1G5939

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin [b]	2.6	0.73	0.60	ug/kg	
319-84-6	alpha-BHC [b]	0.74	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane) [b]	3.1	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane [b]	5.5	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin [b]	2.2	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	49.2	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE [b]	12.7	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT	10.5	0.73	0.64	ug/kg	
72-20-8	Endrin	ND	0.73	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	5.6	0.73	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	105%	14-145%
877-09-8	Tetrachloro-m-xylene	100%	89%	14-145%
2051-24-3	Decachlorobiphenyl	152%	129%	10-197%
2051-24-3	Decachlorobiphenyl	403% [c]	353% [c]	10-197%

(a) Confirmation run.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3546	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	RK7393.D	1	12/16/21 00:14	CP	12/09/21 11:25	OP37040	GRK191
Run #2 [b]	RK7354.D	1	12/15/21 02:53	CP	12/09/21 11:25	OP37040	GRK190

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	23	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	82%	10-163%
877-09-8	Tetrachloro-m-xylene	92%	87%	10-163%
2051-24-3	Decachlorobiphenyl	93%	84%	10-215%
2051-24-3	Decachlorobiphenyl	261% [c]	240% [c]	10-215%

(a) Had TBA cleanup.
(b) Had TBA cleanup. Confirmation run.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6240	54	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Arsenic	6.4	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Barium	738	22	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Beryllium	0.37	0.22	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cadmium	0.64	0.54	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Calcium	34400	2700	mg/kg	5	12/10/21	12/15/21	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	18.7	1.1	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Cobalt	< 5.4	5.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Copper	26.6	2.7	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Iron	11600	54	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Lead	374	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Magnesium	5560	540	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Manganese	271	1.6	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Mercury	0.11	0.033	mg/kg	1	12/09/21	12/09/21	SB	SW846 7471B [1]	SW846 7471B [4]
Nickel	17.2	4.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Potassium	< 1100	1100	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Silver	1.1	0.54	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Vanadium	21.3	5.4	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]
Zinc	455	11	mg/kg	1	12/10/21	12/13/21	ND	SW846 6010D [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA51559
(2) Instrument QC Batch: MA51591
(3) Instrument QC Batch: MA51612
(4) Prep QC Batch: MP30267
(5) Prep QC Batch: MP30281

RL = Reporting Limit

Report of Analysis

4.5

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
		Percent Solids:	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	12/14/21 16:20	EB	SW846 9012B/LACHAT
Solids, Percent	88.3		%	1	12/08/21 16:11	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82239.D	1	12/24/21 23:37	AFL	12/15/21 08:30	F:OP88849	F:S2Q1162
Run #2							

	Initial Weight	Final Volume
Run #1	2.03 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.1	0.42	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.56	0.28	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.56	0.28	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.56	0.28	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.56	0.28	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.56	0.28	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.56	0.28	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.56	0.28	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.56	0.28	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.56	0.30	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.56	0.28	ug/kg	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.56	0.28	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.56	0.28	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.56	0.28	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.56	0.28	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.56	0.28	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.1	0.56	ug/kg	
2991-50-6	EtFOSAA	ND	1.1	0.56	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.1	0.28	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-40-6.0-8.0		
Lab Sample ID:	JD36272-3A	**Date Sampled:**	12/06/21
Matrix:	SO - Soil	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	88.3
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	99%		40-140%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	98%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	99%		50-150%
	13C9-PFNA	96%		50-150%
	13C6-PFDA	91%		50-150%
	13C7-PFUnDA	87%		40-140%
	13C2-PFDoDA	93%		40-140%
	13C2-PFTeDA	102%		30-130%
	13C3-PFBS	98%		50-150%
	13C3-PFHxS	99%		50-150%
	13C8-PFOS	98%		50-150%
	13C8-FOSA	68%		30-130%
	d3-MeFOSAA	105%		40-140%
	d5-EtFOSAA	108%		40-140%
	13C2-6:2FTS	96%		50-150%
	13C2-8:2FTS	96%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

SO SU

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

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EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: JS-12121-241
SGS Quote #:
SGS Job #: JD 36272

Client / Reporting Information
Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07054
Project Contact: BOB CANTALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: 973-630-4045
Sampler(s) Name(s): A.VALLI Phone #:

Project Information
Project Name: 2ND AVE & 33RD St.
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis: V8260 TCL +20 | AB8270 TCL +20 | B8270 SIM 1,4 DIOX | P8081 PEST TCL | P8082 PCB 11 | H8151 STD | XMTAL +CN | LCID 537 NY 21

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL - Sludge, SED - Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB - Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	V8260	AB8270	B8270	P8081	P8082	H8151	XMTAL	LCID	LAB USE ONLY
1	TT-SB-38-7.5-9.5	•	12/06/21	0855	AV	G		So	6					3			3	✓	✓	✓	✓	✓	✓	✓	✓	D12
2	TT-SB-39-6.5-8.5	•	12/06/21	1024	AV	G		So	18					9			9	✓	✓	✓	✓	✓	✓	✓	✓	P37
3	TT-SB-40-6.0-8.0	•	12/06/21	1453	AV	G		So	6					3			3	✓	✓	✓	✓	✓	✓	✓	✓	SUB T4I2 49103

Turn Around Time (Business Days)
Approved By (SGS PM): / Date:
- ☐ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days*
- ☐ 2 Business Days*
- ☐ 1 Business Day*
- ☐ Other

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable
- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ NJ Reduced (Level 3)
- ☐ Full Tier I (Level 4)
- ☐ Commercial "C"
- ☐ NJ DKQP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ MA MCP Criteria
- ☐ CT RCP Criteria
- ☐ State Forms
- ☐ EDD Format
- ☐ DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions
MS/MSD - TT-SB-39-6.5-8.5
• 3x Tg encore
Δ 9x5g Encore
Initial Assessment TS 34
Label Verification TS

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1 Alex Valli	Date / Time: 12/07/21 1317	Received By: 1 [signature]	Relinquished By: 2 [signature]	Date / Time: 12/7/21 1900	Received By: 2 Jeemit Patel
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☑ Cooler Temp. °C 2.0, 2.9, 3.1, 3.0, 3.4, 2.6, 2.1, 2.5, 2.5, 2.6 CIP — See Sample Receipt Summary

5.1

JD36272: Chain of Custody
Page 1 of 4

SGS Sample Receipt Summary

Job Number: JD36272 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/7/2021 7:00:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (2.9); Cooler 3: (3.7); Cooler 4: (3.0); Cooler 5: (3.4); Cooler 6: (2.6); Cooler 7: (2.1); Cooler 8: (2.5); Cooler 9: (2.5); Cooler 10: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (0.6); Cooler 2: (1.5); Cooler 3: (2.3); Cooler 4: (1.6); Cooler 5: (2.0); Cooler 6: (1.2); Cooler 7: (0.7); Cooler 8: (1.1); Cooler 9: (1.1); Cooler 10: (1.2);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	10	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD36272: Chain of Custody
Page 3 of 4

Job Change Order: JD36272

Requested Date:	12/13/2021	**Received Date:**	12/7/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD36272-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

5.1

JD36272: Chain of Custody
Page 4 of 4

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JD36272

Client / Reporting Information
Company Name:
Street Address
City State Zip
Project Contact E-mail: jadon.schiller@sgs.com
Phone #
Sampler(s) Name(s) Phone: AV

Project Information
Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street
City State
Project #
Client Purchase Order #
Project Manager

Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Requested Analysis: LCID537NY21, LCMS+14DAY

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB-Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LCID537NY21, LCMS+14DAY	LAB USE ONLY
1A	TT-SB-38-7.5-9.5		12/6/21	8:55:00 AM	AV	SO										X	
2A	TT-SB-39-6.5-8.5		12/6/21	10:24:00 AM	AV	SO										X	
2AD	TT-SB-39-6.5-8.5		12/6/21	10:24:00 AM	AV	SO										X	
2AS	TT-SB-39-6.5-8.5		12/6/21	10:24:00 AM	AV	SO										X	
3A	TT-SB-40-6.0-8.0		12/6/21	11:53:00 AM	AV	SO										X	

INITIAL ASSESSMENT BO

Turnaround Time (Business days)
- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] Other 1/14/1900

Approved By (SGS PM): / Date:

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [x] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

LABEL VERIFICATION

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Michael Nappo	12/8/21 14:00	1	2	12/9/21 930	2 [signature]
3		3	4		4
5		5	Custody Seal #		

☐ Intact ☐ Not intact — Preserved where applicable ☐ Absent — Therm. ID — On Ice ☐ — Cooler Temp. °C

0.4 IR#4

jd36272.xls
Rev Date: 4/10/18

SGS Sample Receipt Summary

Job Number: JD36272 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/9/2021 3:30:00 PM **Delivery Method:** FX **Airbill #'s:**

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2);

Cooler Temps (Corrected) °C: Cooler 1: (0.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 12/9/2021 3:30:00 PM Reviewer: _____ Date: _____

5.2

JD36272: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36297

Sampling Dates: 12/06/21 - 12/07/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: **133**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Table of Contents

Sample Summary

Tetra Tech

Job No: JD36297

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36297-1	12/06/21	08:45	CB	12/07/21	AQ	Ground Water	TT-SB-31GW
JD36297-1A	12/06/21	08:45	CB	12/07/21	AQ	Ground Water	TT-SB-31GW
JD36297-2	12/06/21	10:37	CB	12/07/21	AQ	Ground Water	TT-SB-30GW
JD36297-2A	12/06/21	10:37	CB	12/07/21	AQ	Ground Water	TT-SB-30GW
JD36297-3	12/06/21	12:01	CB	12/07/21	AQ	Ground Water	TT-SB-27GW
JD36297-3A	12/06/21	12:01	CB	12/07/21	AQ	Ground Water	TT-SB-27GW
JD36297-4	12/06/21	13:20	CB	12/07/21	AQ	Ground Water	TT-SB-20GW
JD36297-4A	12/06/21	13:20	CB	12/07/21	AQ	Ground Water	TT-SB-20GW
JD36297-5	12/06/21	15:20	CB	12/07/21	AQ	Ground Water	TT-SB-22GW
JD36297-5A	12/06/21	15:20	CB	12/07/21	AQ	Ground Water	TT-SB-22GW
JD36297-6	12/07/21	08:32	CB	12/07/21	AQ	Ground Water	TT-SB-23GW
JD36297-6A	12/07/21	08:32	CB	12/07/21	AQ	Ground Water	TT-SB-23GW

Sample Summary
(continued)

Tetra Tech

Job No: JD36297

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD36297-7	12/07/21	11:05	CB	12/07/21	AQ	Ground Water	TT-SB-12GW
JD36297-7A	12/07/21	11:05	CB	12/07/21	AQ	Ground Water	TT-SB-12GW
JD36297-8	12/07/21	12:00	CB	12/07/21	AQ	Ground Water	GW-DUP-01
JD36297-8A	12/07/21	12:00	CB	12/07/21	AQ	Ground Water	GW-DUP-01
JD36297-9	12/07/21	12:15	CB	12/07/21	AQ	Ground Water	TT-SB-18GW
JD36297-9A	12/07/21	12:15	CB	12/07/21	AQ	Ground Water	TT-SB-18GW

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD36297
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	1/5/2022 1:06:57 PM

On 12/07/2021, 9 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36297 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VL10097

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD36261-4MS, JD36261-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD36297-1 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-3 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-6 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-3 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-6 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36261-4MS/MSD for 1,2-Dibromo-3-chloropropane: Outside in house control limits.
- JD36297-5 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-6 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- VL10097-BS for 1,2-Dibromo-3-chloropropane: High percent recovery and no associated positive reported in the QC batch.
- JD36297-1 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-4 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-2 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-5 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-7 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-9 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-4 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-3 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-1 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-9 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-8 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-8 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VL10097

- JD36297-8 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD36297-7 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-5 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-4 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-2 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-9 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD36297-7 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD36297-2 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: AQ **Batch ID:** F:OP88921

- The data for EPA 537M BY ID meets quality control requirements.
- JD36297-2A: Analysis performed at SGS Orlando, FL.
- JD36297-9A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD36297-9A: Analysis performed at SGS Orlando, FL.
- JD36297-8A: Analysis performed at SGS Orlando, FL.
- JD36297-8A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD36297-6A: Analysis performed at SGS Orlando, FL.
- JD36297-1A: Analysis performed at SGS Orlando, FL.
- JD36297-7A: Analysis performed at SGS Orlando, FL.
- JD36297-6A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD36297-3A: Analysis performed at SGS Orlando, FL.
- JD36297-3A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD36297-5A: Analysis performed at SGS Orlando, FL.
- JD36297-7A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD36297-4A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP37019

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP37019-BSD Recovery(s) for 2,4-Dimethylphenol, 2-Chlorophenol, 2-Methylphenol are outside control limits.
- JD36297-4: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-1: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-8: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-7: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-2: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-6: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-9: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-3: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- JD36297-5: There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
- OP37019-BS1 for Nitrobenzene: Outside of in house control limits.
- RPD of OP37019-BSD for Dibenzofuran: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Fluoranthene: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Hexachlorobenzene: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Phenanthrene: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Phenol: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Pyrene: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Anthracene: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for 2-Chlorophenol: Outside of in house control limits.
- RPD of OP37019-BSD for 4-Chlorophenyl phenyl ether: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Di-n-butyl phthalate: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for 2,4-Dimethylphenol: Outside of in house control limits.
- OP37019-BS1 for 2-Methylnaphthalene: Outside of in house control limits.
- OP37019-BS1 for 2-Methylphenol: Outside of in house control limits.
- OP37019-BS1 for 4-Chloro-3-methyl phenol: Outside of in house control limits.
- OP37019-BS1 for 4-Nitroaniline: Outside of in house control limits.
- OP37019-BS1 for Atrazine: Outside of in house control limits.
- OP37019-BS1 for Benzo(a)anthracene: Outside of in house control limits.
- OP37019-BS1 for Benzo(a)pyrene: Outside of in house control limits.
- OP37019-BS1 for bis(2-Chloroethyl)ether: Outside of in house control limits.
- OP37019-BS1 for Acetophenone: Outside of in house control limits.
- OP37019-BS1 for 2,4-Dichlorophenol: Outside of in house control limits.
- OP37019-BS1 for 2,2'-Oxybis(1-chloropropane): Outside of in house control limits.
- OP37019-BS1 for Isophorone: Outside of in house control limits.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP37019

- OP37019-BS1 for Naphthalene: Outside of in house control limits.
- RPD of OP37019-BSD for Chrysene: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for Fluorene: Outside of in house control limits.
- OP37019-BS1 for Fluoranthene: Outside of in house control limits.
- OP37019-BS1 for Dibenzofuran: Outside of in house control limits.
- OP37019-BS1 for Chrysene: Outside of in house control limits.
- RPD of OP37019-BSD for bis(2-Ethylhexyl)phthalate: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for 4-Bromophenyl phenyl ether: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Acenaphthylene: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for Carbazole: Outside of in house control limits.
- RPD of OP37019-BSD for Benzo(a)anthracene: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for Phenanthrene: Outside of in house control limits.
- RPD of OP37019-BSD for Butyl benzyl phthalate: Analytical precision exceeds in-house control limits.
- RPD of OP37019-BSD for Caprolactam: Analytical precision exceeds in-house control limits.
- OP37019-BS1 for Acenaphthylene is outside in house control limits.

Matrix: AQ **Batch ID:** OP37190

- The data for SW846 8270E meets quality control requirements.
- JD36297-6: Sample extracted outside the holding time. Confirmation run.
- JD36297-7: Sample extracted outside the holding time. Confirmation run.
- JD36297-9: Sample extracted outside the holding time. Confirmation run.
- JD36297-1: Sample extracted outside the holding time. Confirmation run.
- JD36297-3: Sample extracted outside the holding time. Confirmation run.
- JD36297-4: Sample extracted outside the holding time. Confirmation run.
- JD36297-2: Sample extracted outside the holding time. Confirmation run.
- JD36297-8: Sample extracted outside the holding time. Confirmation run.
- JD36297-5: Sample extracted outside the holding time. Confirmation run.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ **Batch ID:** OP37019A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP37019A-BS12: Recoveries outside of in house control limits due to incorrect spiking amount. Since BSD12 recoveries within control limits, data are qualified and reported.
- RPD of OP37019A-BSD12 for 1,4-Dioxane: Analytical precision exceeds in-house control limits.
- OP37019A-BS12 for 1,4-Dioxane: Outside of in house control limits.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ **Batch ID:** OP37028

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP37028-BS1: Had TBA cleanup.
- OP37028-MB1: Had TBA cleanup.
- JD36297-6: Had TBA cleanup.
- OP37028-BSD: Had TBA cleanup.
- JD36297-8: Had TBA cleanup.
- JD36297-7: Had TBA cleanup.
- OP37028-BS1 for Endosulfan-II: Reported from 2nd signal. 1st signal used for confirmation.
- OP37028-BSD for Endosulfan-II: Reported from 2nd signal. 1st signal used for confirmation.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP37029

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: AQ **Batch ID:** OP37027

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP30296

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36264-2MS, JD36264-2MSD, JD36264-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Copper, Iron, Potassium, Thallium are outside control limits for sample MP30296-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD36297-6 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- JD36297-6 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36297-8 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36297-8 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD36297-7 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36297-7 for Lead: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7470A

Matrix:	AQ	Batch ID:	MP30309

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36261-2MS, JD36261-2MSD were used as the QC samples for metals.

Matrix:	AQ	Batch ID:	MP30311

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36264-2MS, JD36264-2MSD were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD36297
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/30/2021 1:09:33

On 12/07/2021, 9 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36297 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: AQ **Batch ID:** OP88921

Sample(s) FA91414-1MS, FA91423-13DUP, FA91414-1MS were used as the QC samples indicated.

Matrix Spike Recovery(s) for Perfluorohexanoic acid, Perfluoropentanoic acid, Perfluorobutanesulfonic acid, Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for Duplicate for Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid are outside control limits for sample OP88921-DUP. Probable cause is due to sample non-homogeneity.

Sample(s) JD36297-3A, JD36297-6A, JD36297-7A, JD36297-8A, JD36297-9A have surrogates outside control limits.

OP88921-DUP for 13C2-PFTeDA: Outside control limits.

JD36297-3A for 13C8-FOSA: Outside control limits.

JD36297-3A: Dilution required due to matrix interference (ID recovery standard failure).

JD36297-6A for 13C8-FOSA: Outside control limits.

JD36297-6A: Dilution required due to matrix interference (ID recovery standard failure).

JD36297-7A for 13C8-FOSA: Outside control limits.

JD36297-7A: Dilution required due to matrix interference (ID recovery standard failure).

JD36297-8A for 13C8-FOSA: Outside control limits.

JD36297-8A: Dilution required due to matrix interference (ID recovery standard failure).

JD36297-9A for 13C8-FOSA: Outside control limits.

JD36297-9A: Dilution required due to matrix interference (ID recovery standard failure).

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36297-1	**TT-SB-31GW**					
Acetone		7.1 J	10	3.1	ug/l	SW846 8260D
Acenaphthene [a]		0.26 J	1.0	0.20	ug/l	SW846 8270E
Benzo(a)anthracene [a]		0.47 J	1.0	0.21	ug/l	SW846 8270E
Benzo(a)pyrene [a]		1.1	1.0	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene [a]		0.61 J	1.0	0.21	ug/l	SW846 8270E
Benzo(g,h,i)perylene [a]		0.41 J	1.0	0.35	ug/l	SW846 8270E
Benzo(k)fluoranthene [a]		0.21 J	1.0	0.21	ug/l	SW846 8270E
Chrysene [a]		0.37 J	1.0	0.18	ug/l	SW846 8270E
Dibenzo(a,h)anthracene [a]		0.69 J	1.0	0.34	ug/l	SW846 8270E
Fluoranthene [a]		0.70 J	1.0	0.18	ug/l	SW846 8270E
Fluorene [a]		0.21 J	1.0	0.18	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene [a]		1.1	1.0	0.34	ug/l	SW846 8270E
Phenanthrene [a]		0.63 J	1.0	0.18	ug/l	SW846 8270E
Pyrene [a]		0.70 J	1.0	0.23	ug/l	SW846 8270E
Aluminum		1280	200		ug/l	SW846 6010D
Arsenic		3.2	3.0		ug/l	SW846 6010D
Calcium		118000	5000		ug/l	SW846 6010D
Iron		1940	100		ug/l	SW846 6010D
Lead		12.1	3.0		ug/l	SW846 6010D
Magnesium		8100	5000		ug/l	SW846 6010D
Manganese		463	15		ug/l	SW846 6010D
Potassium		12000	10000		ug/l	SW846 6010D
Sodium		166000	10000		ug/l	SW846 6010D
JD36297-1A	**TT-SB-31GW**					
Perfluorobutanoic acid [b]		16.5	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		5.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		11.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		3.6	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		13.5	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]		2.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorodecanoic acid [b]		2.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]		2.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid [b]		1.2 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]		28.5	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-2	**TT-SB-30GW**					
Indeno(1,2,3-cd)pyrene [a]		0.73 J	1.0	0.34	ug/l	SW846 8270E
Aluminum		3950	200		ug/l	SW846 6010D
Arsenic		9.4	3.0		ug/l	SW846 6010D
Beryllium		1.1	1.0		ug/l	SW846 6010D

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cadmium		3.0	3.0		ug/l	SW846 6010D
Calcium		155000	5000		ug/l	SW846 6010D
Copper		45.8	10		ug/l	SW846 6010D
Iron		10100	100		ug/l	SW846 6010D
Lead		26.6	3.0		ug/l	SW846 6010D
Magnesium		52000	5000		ug/l	SW846 6010D
Manganese		2770	15		ug/l	SW846 6010D
Nickel		15.1	10		ug/l	SW846 6010D
Potassium		11500	10000		ug/l	SW846 6010D
Sodium		494000	50000		ug/l	SW846 6010D
Zinc		53.7	20		ug/l	SW846 6010D
JD36297-2A	**TT-SB-30GW**					
Perfluorobutanoic acid [b]		13.9	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		10.6	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		6.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		3.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		12.7	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]		1.0 J	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-3	**TT-SB-27GW**					
Phenanthrene [a]		0.26 J	1.0	0.18	ug/l	SW846 8270E
Aluminum		5230	200		ug/l	SW846 6010D
Arsenic		8.7	3.0		ug/l	SW846 6010D
Barium		422	200		ug/l	SW846 6010D
Calcium		259000	25000		ug/l	SW846 6010D
Chromium		11.7	10		ug/l	SW846 6010D
Copper		22.6	10		ug/l	SW846 6010D
Iron		10600	100		ug/l	SW846 6010D
Lead		73.5	3.0		ug/l	SW846 6010D
Magnesium		38100	5000		ug/l	SW846 6010D
Manganese		2150	15		ug/l	SW846 6010D
Nickel		21.0	10		ug/l	SW846 6010D
Potassium		19900	10000		ug/l	SW846 6010D
Sodium		201000	50000		ug/l	SW846 6010D
Zinc		48.9	20		ug/l	SW846 6010D
JD36297-3A	**TT-SB-27GW**					
Perfluorobutanoic acid [b]		11.4	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		8.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		7.6	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		6.0	1.9	0.93	ng/l	EPA 537M BY ID

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Perfluorooctanoic acid [b]	17.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]	2.5	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]	2.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid [b]	1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]	29.6	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-4 TT-SB-20GW					
Aluminum	25600	200		ug/l	SW846 6010D
Antimony	6.2	6.0		ug/l	SW846 6010D
Arsenic	25.2	3.0		ug/l	SW846 6010D
Barium	474	200		ug/l	SW846 6010D
Beryllium	2.2	1.0		ug/l	SW846 6010D
Cadmium	6.2	3.0		ug/l	SW846 6010D
Calcium	72600	5000		ug/l	SW846 6010D
Chromium	56.0	10		ug/l	SW846 6010D
Copper	93.0	10		ug/l	SW846 6010D
Iron	42500	100		ug/l	SW846 6010D
Lead	253	15		ug/l	SW846 6010D
Magnesium	25000	5000		ug/l	SW846 6010D
Manganese	4550	15		ug/l	SW846 6010D
Nickel	85.2	10		ug/l	SW846 6010D
Potassium	16700	10000		ug/l	SW846 6010D
Sodium	88100	10000		ug/l	SW846 6010D
Vanadium	77.9	50		ug/l	SW846 6010D
Zinc	416	20		ug/l	SW846 6010D
JD36297-4A TT-SB-20GW					
Perfluorobutanoic acid [b]	3.7	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]	1.7 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]	12.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]	2.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]	1.0 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]	8.9	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-5 TT-SB-22GW					
Acetone	16.6	10	3.1	ug/l	SW846 8260D
Benzo(a)pyrene [a]	0.68 J	1.0	0.22	ug/l	SW846 8270E
2-Methylnaphthalene [a]	1.0	1.0	0.21	ug/l	SW846 8270E
Naphthalene [a]	1.1	1.0	0.24	ug/l	SW846 8270E
Aluminum	7540	200		ug/l	SW846 6010D
Arsenic	9.6	3.0		ug/l	SW846 6010D
Calcium	44100	5000		ug/l	SW846 6010D

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Chromium	11.9	10		ug/l	SW846 6010D
Copper	17.7	10		ug/l	SW846 6010D
Iron	10000	100		ug/l	SW846 6010D
Lead	20.3	3.0		ug/l	SW846 6010D
Magnesium	5430	5000		ug/l	SW846 6010D
Manganese	297	15		ug/l	SW846 6010D
Nickel	11.2	10		ug/l	SW846 6010D
Sodium	16000	10000		ug/l	SW846 6010D
Zinc	56.8	20		ug/l	SW846 6010D
JD36297-5A TT-SB-22GW					
Perfluorobutanoic acid [b]	12.7	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]	7.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]	6.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]	3.7	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]	19.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]	2.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorodecanoic acid [b]	2.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroundecanoic acid [b]	1.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorododecanoic acid [b]	1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]	15.4	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-6 TT-SB-23GW					
Acetone	7.6 J	10	3.1	ug/l	SW846 8260D
Benzene	0.55	0.50	0.43	ug/l	SW846 8260D
1,4-Dioxane	0.0537 J	0.10	0.052	ug/l	SW846 8270E BY SIM
Total TIC, Semi-Volatile	6.4 J			ug/l	
Aluminum	70900	200		ug/l	SW846 6010D
Arsenic [c]	66.6	15		ug/l	SW846 6010D
Barium	1390	200		ug/l	SW846 6010D
Beryllium [c]	7.1	5.0		ug/l	SW846 6010D
Calcium	318000	25000		ug/l	SW846 6010D
Chromium	140	10		ug/l	SW846 6010D
Cobalt	98.4	50		ug/l	SW846 6010D
Copper [c]	233	50		ug/l	SW846 6010D
Iron	376000	500		ug/l	SW846 6010D
Lead [c]	258	15		ug/l	SW846 6010D
Magnesium	86600	5000		ug/l	SW846 6010D
Manganese [c]	10700	75		ug/l	SW846 6010D
Mercury	0.80	0.60		ug/l	SW846 7470A
Nickel	206	10		ug/l	SW846 6010D
Potassium	38500	10000		ug/l	SW846 6010D
Sodium	170000	10000		ug/l	SW846 6010D

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vanadium		209	50		ug/l	SW846 6010D
Zinc		501	20		ug/l	SW846 6010D
JD36297-6A	**TT-SB-23GW**					
Perfluorobutanoic acid [b]		9.4	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		5.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		5.6	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		11.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		111	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]		1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]		4.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid [b]		2.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]		3.6	1.9	0.93	ng/l	EPA 537M BY ID
JD36297-7	**TT-SB-12GW**					
Benzene		0.73	0.50	0.43	ug/l	SW846 8260D
Acenaphthene [a]		1.2	1.0	0.19	ug/l	SW846 8270E
Dibenzofuran [a]		0.39 J	5.1	0.22	ug/l	SW846 8270E
Fluoranthene [a]		0.23 J	1.0	0.17	ug/l	SW846 8270E
Fluorene [a]		0.18 J	1.0	0.17	ug/l	SW846 8270E
Naphthalene [a]		1.0	1.0	0.24	ug/l	SW846 8270E
Phenanthrene [a]		0.54 J	1.0	0.18	ug/l	SW846 8270E
1,4-Dioxane		0.0615 J	0.10	0.051	ug/l	SW846 8270E BY SIM
Total TIC, Semi-Volatile		74 J			ug/l	
Beryllium		2.0	1.0		ug/l	SW846 6010D
Calcium		210000	25000		ug/l	SW846 6010D
Iron		806	100		ug/l	SW846 6010D
Magnesium		276000	5000		ug/l	SW846 6010D
Manganese		27.6	15		ug/l	SW846 6010D
Potassium		189000	10000		ug/l	SW846 6010D
Sodium		3760000	500000		ug/l	SW846 6010D
Zinc		39.5	20		ug/l	SW846 6010D
JD36297-7A	**TT-SB-12GW**					
Perfluorobutanoic acid [b]		5.4	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		1.7 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		2.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		4.3	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		26.6	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]		0.96 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]		11.6	1.9	0.93	ng/l	EPA 537M BY ID
EtFOSAA [b]		2.7 J	3.7	1.9	ng/l	EPA 537M BY ID

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36297-8	**GW-DUP-01**					
Benzene		0.74	0.50	0.43	ug/l	SW846 8260D
Carbon disulfide		0.46 J	2.0	0.46	ug/l	SW846 8260D
Total TIC, Volatile		9.2 J			ug/l	
Acenaphthene [a]		1.1	1.0	0.20	ug/l	SW846 8270E
Dibenzofuran [a]		0.36 J	5.2	0.23	ug/l	SW846 8270E
Naphthalene [a]		0.89 J	1.0	0.24	ug/l	SW846 8270E
Phenanthrene [a]		0.52 J	1.0	0.18	ug/l	SW846 8270E
Total TIC, Semi-Volatile		27 J			ug/l	
Beryllium		2.0	1.0		ug/l	SW846 6010D
Calcium		219000	25000		ug/l	SW846 6010D
Iron		275	100		ug/l	SW846 6010D
Magnesium		283000	5000		ug/l	SW846 6010D
Manganese		20.5	15		ug/l	SW846 6010D
Potassium		193000	10000		ug/l	SW846 6010D
Sodium		4010000	500000		ug/l	SW846 6010D
JD36297-8A	**GW-DUP-01**					
Perfluorobutanoic acid [b]		4.6	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		1.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		2.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		3.7	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		26.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [b]		1.0 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [b]		12.0	1.9	0.93	ng/l	EPA 537M BY ID
EtFOSAA [b]		3.3 J	3.7	1.9	ng/l	EPA 537M BY ID
JD36297-9	**TT-SB-18GW**					
Carbon disulfide		0.47 J	2.0	0.46	ug/l	SW846 8260D
JD36297-9A	**TT-SB-18GW**					
Perfluorobutanoic acid [b]		7.5	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [b]		2.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [b]		2.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [b]		4.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [b]		33.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [b]		2.4	1.9	0.93	ng/l	EPA 537M BY ID

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.

Summary of Hits

Job Number: JD36297
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/06/21 thru 12/07/21

Lab Sample ID	Client Sample ID	Result/				
Analyte		Qual	RL	MDL	Units	Method

(b) Analysis performed at SGS Orlando, FL.
(c) Elevated detection limit due to dilution required for high interfering element.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335790.D	1	12/10/21 05:35	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.1	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	36	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146514.D	1	12/12/21 16:31	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146662.D	1	12/18/21 08:33	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	960 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.85	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	0.92	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.2	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.2	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.92	ug/l	
	3&4-Methylphenol	ND	2.1	0.91	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.99	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.95	ug/l	
83-32-9	Acenaphthene	0.26	1.0	0.20	ug/l	J
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.30	ug/l	
56-55-3	Benzo(a)anthracene	0.47	1.0	0.21	ug/l	J
50-32-8	Benzo(a)pyrene	1.1	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	0.61	1.0	0.21	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.41	1.0	0.35	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.21	1.0	0.21	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.42	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.24	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.67	ug/l	
218-01-9	Chrysene	0.37	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.68	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.69	1.0	0.34	ug/l	J
132-64-9	Dibenzofuran	ND	5.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	0.70	1.0	0.18	ug/l	J
86-73-7	Fluorene	0.21	1.0	0.18	ug/l	J
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.40	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.23	ug/l	
85-01-8	Phenanthrene	0.63	1.0	0.18	ug/l	J
129-00-0	Pyrene	0.70	1.0	0.23	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%	29%	10-90%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	13%	20%	10-101%
118-79-6	2,4,6-Tribromophenol	54%	92%	23-155%
4165-60-0	Nitrobenzene-d5	52%	79%	25-141%
321-60-8	2-Fluorobiphenyl	53%	81%	35-126%
1718-51-0	Terphenyl-d14	29%	53%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.75	5.3	ug/l	J
	System artifact	3.03	5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105100.D	1	12/14/21 18:14	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		21-121%
321-60-8	2-Fluorobiphenyl	79%		27-107%
1718-51-0	Terphenyl-d14	42%		25-118%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155596.D	1	12/16/21 05:32	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.081	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	75%		10-200%
19719-28-9	2,4-DCAA	95%		10-200%

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81140.D	1	12/13/21 21:33	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		10-190%
877-09-8	Tetrachloro-m-xylene	84%		10-190%
2051-24-3	Decachlorobiphenyl	36%		10-156%
2051-24-3	Decachlorobiphenyl	45%		10-156%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475657.D	1	12/13/21 06:37	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.097	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.32	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-174%
877-09-8	Tetrachloro-m-xylene	74%		10-174%
2051-24-3	Decachlorobiphenyl	40%		10-151%
2051-24-3	Decachlorobiphenyl	35%		10-151%

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1280	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	3.2	3.0	ug/l	1	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	118000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	1940	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	12.1	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	8100	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	463	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	12000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	166000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30309

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82362.D	1	12/28/21 04:17	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	16.5	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	5.4	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	11.2	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	3.6	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	13.5	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	2.4	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	2.1	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	2.8	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	1.2	1.9	0.93	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	28.5	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-31GW		
Lab Sample ID:	JD36297-1A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	90%		35-135%
	13C5-PFPeA	84%		50-150%
	13C5-PFHxA	81%		50-150%
	13C4-PFHpA	83%		50-150%
	13C8-PFOA	88%		50-150%
	13C9-PFNA	89%		50-150%
	13C6-PFDA	92%		50-150%
	13C7-PFUnDA	94%		40-140%
	13C2-PFDoDA	84%		40-140%
	13C2-PFTeDA	79%		30-130%
	13C3-PFBS	88%		50-150%
	13C3-PFHxS	88%		50-150%
	13C8-PFOS	93%		50-150%
	13C8-FOSA	35%		30-130%
	d3-MeFOSAA	109%		40-140%
	d5-EtFOSAA	114%		40-140%
	13C2-6:2FTS	95%		50-150%
	13C2-8:2FTS	100%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335791.D	1	12/10/21 05:56	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.56	86	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146515.D	1	12/12/21 16:56	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146663.D	1	12/18/21 08:58	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	950 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-30GW
Lab Sample ID: JD36297-2
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.73	1.0	0.34	ug/l	J
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%	26%	10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	13%	18%	10-101%
118-79-6	2,4,6-Tribromophenol	67%	76%	23-155%
4165-60-0	Nitrobenzene-d5	51%	68%	25-141%
321-60-8	2-Fluorobiphenyl	55%	71%	35-126%
1718-51-0	Terphenyl-d14	34%	38%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105101.D	1	12/14/21 18:34	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		21-121%
321-60-8	2-Fluorobiphenyl	81%		27-107%
1718-51-0	Terphenyl-d14	50%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155597.D	1	12/16/21 06:04	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.080	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	83%		10-200%
19719-28-9	2,4-DCAA	95%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81141.D	1	12/13/21 21:51	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0082	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.0082	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0082	0.0065	ug/l	
319-86-8	delta-BHC	ND	0.0082	0.0054	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0082	0.0049	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0082	0.0040	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0082	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0082	0.0063	ug/l	
72-54-8	4,4'-DDD	ND	0.0082	0.0047	ug/l	
72-55-9	4,4'-DDE	ND	0.0082	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0082	0.0056	ug/l	
72-20-8	Endrin	ND	0.0082	0.0049	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0082	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0082	0.0055	ug/l	
53494-70-5	Endrin ketone	ND	0.0082	0.0051	ug/l	
959-98-8	Endosulfan-I	ND	0.0082	0.0043	ug/l	
33213-65-9	Endosulfan-II	ND	0.0082	0.0040	ug/l	
76-44-8	Heptachlor	ND	0.0082	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0082	0.0049	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0055	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		10-190%
877-09-8	Tetrachloro-m-xylene	74%		10-190%
2051-24-3	Decachlorobiphenyl	24%		10-156%
2051-24-3	Decachlorobiphenyl	40%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475662.D	1	12/13/21 08:03	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.42	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.42	0.35	ug/l	
11141-16-5	Aroclor 1232	ND	0.42	0.22	ug/l	
53469-21-9	Aroclor 1242	ND	0.42	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.42	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.42	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.42	0.13	ug/l	
11100-14-4	Aroclor 1268	ND	0.42	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.42	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-174%
877-09-8	Tetrachloro-m-xylene	68%		10-174%
2051-24-3	Decachlorobiphenyl	40%		10-151%
2051-24-3	Decachlorobiphenyl	35%		10-151%

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3950	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	9.4	3.0	ug/l	1	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	1.1	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	155000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	45.8	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	10100	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	26.6	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	52000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	2770	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	15.1	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	11500	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	494000	50000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	53.7	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30309

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82363.D	1	12/28/21 04:36	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	13.9	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	10.6	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	6.4	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	3.9	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	12.7	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	ND	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	1.0	1.9	0.93	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-30GW		
Lab Sample ID:	JD36297-2A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%		35-135%
	13C5-PFPeA	78%		50-150%
	13C5-PFHxA	74%		50-150%
	13C4-PFHpA	78%		50-150%
	13C8-PFOA	82%		50-150%
	13C9-PFNA	83%		50-150%
	13C6-PFDA	93%		50-150%
	13C7-PFUnDA	82%		40-140%
	13C2-PFDoDA	64%		40-140%
	13C2-PFTeDA	51%		30-130%
	13C3-PFBS	83%		50-150%
	13C3-PFHxS	83%		50-150%
	13C8-PFOS	85%		50-150%
	13C8-FOSA	33%		30-130%
	d3-MeFOSAA	101%		40-140%
	d5-EtFOSAA	96%		40-140%
	13C2-6:2FTS	90%		50-150%
	13C2-8:2FTS	95%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335792.D	1	12/10/21 06:17	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	62	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146516.D	1	12/12/21 17:22	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146664.D	1	12/18/21 09:23	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	970 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	0.26	1.0	0.18	ug/l	J
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	15%	34%	10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	11%	22%	10-101%
118-79-6	2,4,6-Tribromophenol	54%	87%	23-155%
4165-60-0	Nitrobenzene-d5	44%	70%	25-141%
321-60-8	2-Fluorobiphenyl	45%	76%	35-126%
1718-51-0	Terphenyl-d14	27%	76%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105102.D	1	12/14/21 18:55	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		21-121%
321-60-8	2-Fluorobiphenyl	66%		27-107%
1718-51-0	Terphenyl-d14	41%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155598.D	1	12/16/21 06:35	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.42	0.083	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.083	0.052	ug/l	
93-76-5	2,4,5-T	ND	0.083	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	102%		10-200%
19719-28-9	2,4-DCAA	106%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81142.D	1	12/13/21 22:10	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	255 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0078	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0078	0.0041	ug/l	
319-85-7	beta-BHC	ND	0.0078	0.0063	ug/l	
319-86-8	delta-BHC	ND	0.0078	0.0052	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0078	0.0047	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0078	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0078	0.0033	ug/l	
60-57-1	Dieldrin	ND	0.0078	0.0060	ug/l	
72-54-8	4,4'-DDD	ND	0.0078	0.0045	ug/l	
72-55-9	4,4'-DDE	ND	0.0078	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0078	0.0054	ug/l	
72-20-8	Endrin	ND	0.0078	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0078	0.0043	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0078	0.0053	ug/l	
53494-70-5	Endrin ketone	ND	0.0078	0.0049	ug/l	
959-98-8	Endosulfan-I	ND	0.0078	0.0041	ug/l	
33213-65-9	Endosulfan-II	ND	0.0078	0.0038	ug/l	
76-44-8	Heptachlor	ND	0.0078	0.0035	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0078	0.0047	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0053	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		10-190%
877-09-8	Tetrachloro-m-xylene	79%		10-190%
2051-24-3	Decachlorobiphenyl	32%		10-156%
2051-24-3	Decachlorobiphenyl	41%		10-156%

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475663.D	1	12/13/21 08:20	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.38	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.38	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.38	0.20	ug/l	
53469-21-9	Aroclor 1242	ND	0.38	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.38	0.097	ug/l	
11097-69-1	Aroclor 1254	ND	0.38	0.32	ug/l	
11096-82-5	Aroclor 1260	ND	0.38	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.38	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.38	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		10-174%
877-09-8	Tetrachloro-m-xylene	80%		10-174%
2051-24-3	Decachlorobiphenyl	42%		10-151%
2051-24-3	Decachlorobiphenyl	37%		10-151%

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5230	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	8.7	3.0	ug/l	1	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	422	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	259000	25000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	11.7	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	22.6	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	10600	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	73.5	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	38100	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	2150	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	21.0	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	19900	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	201000	50000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	48.9	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30309

RL = Reporting Limit

Report of Analysis

4.6

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82364.D	1	12/28/21 04:55	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2 [b]	2Q82429.D	5	12/29/21 01:12	AFL	12/20/21 09:00	F:OP88921	F:S2Q1165

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2	270 ml	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	11.4	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	8.8	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	7.6	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	6.0	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	17.4	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	2.5	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	2.1	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	1.1	1.9	0.93	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	29.6	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND [c]	19	9.3	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-27GW		
Lab Sample ID:	JD36297-3A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	94%	81%	35-135%
	13C5-PFPeA	91%	79%	50-150%
	13C5-PFHxA	90%	80%	50-150%
	13C4-PFHpA	92%	80%	50-150%
	13C8-PFOA	95%	82%	50-150%
	13C9-PFNA	93%	82%	50-150%
	13C6-PFDA	99%	78%	50-150%
	13C7-PFUnDA	87%	71%	40-140%
	13C2-PFDoDA	73%	61%	40-140%
	13C2-PFTeDA	63%	50%	30-130%
	13C3-PFBS	92%	80%	50-150%
	13C3-PFHxS	95%	78%	50-150%
	13C8-PFOS	95%	80%	50-150%
	13C8-FOSA	29% [d]	34%	30-130%
	d3-MeFOSAA	110%	78%	40-140%
	d5-EtFOSAA	97%	68%	40-140%
	13C2-6:2FTS	100%	82%	50-150%
	13C2-8:2FTS	97%	67%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335793.D	1	12/10/21 06:38	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	50	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146517.D	1	12/12/21 17:48	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146665.D	1	12/18/21 09:47	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	980 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-20GW
Lab Sample ID: JD36297-4
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%	38%	10-90%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	13%	24%	10-101%
118-79-6	2,4,6-Tribromophenol	48%	92%	23-155%
4165-60-0	Nitrobenzene-d5	50%	78%	25-141%
321-60-8	2-Fluorobiphenyl	53%	83%	35-126%
1718-51-0	Terphenyl-d14	24%	64%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105103.D	1	12/14/21 19:15	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		21-121%
321-60-8	2-Fluorobiphenyl	79%		27-107%
1718-51-0	Terphenyl-d14	33%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155599.D	1	12/16/21 07:08	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.080	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	94%		10-200%
19719-28-9	2,4-DCAA	96%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81143.D	1	12/13/21 22:28	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0082	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.0082	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0082	0.0065	ug/l	
319-86-8	delta-BHC	ND	0.0082	0.0054	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0082	0.0049	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0082	0.0040	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0082	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0082	0.0063	ug/l	
72-54-8	4,4'-DDD	ND	0.0082	0.0047	ug/l	
72-55-9	4,4'-DDE	ND	0.0082	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0082	0.0056	ug/l	
72-20-8	Endrin	ND	0.0082	0.0049	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0082	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0082	0.0055	ug/l	
53494-70-5	Endrin ketone	ND	0.0082	0.0051	ug/l	
959-98-8	Endosulfan-I	ND	0.0082	0.0043	ug/l	
33213-65-9	Endosulfan-II	ND	0.0082	0.0040	ug/l	
76-44-8	Heptachlor	ND	0.0082	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0082	0.0049	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0055	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		10-190%
877-09-8	Tetrachloro-m-xylene	81%		10-190%
2051-24-3	Decachlorobiphenyl	22%		10-156%
2051-24-3	Decachlorobiphenyl	30%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475664.D	1	12/13/21 08:38	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.41	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.41	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.41	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.41	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.41	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.41	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.41	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.41	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.41	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-174%
877-09-8	Tetrachloro-m-xylene	66%		10-174%
2051-24-3	Decachlorobiphenyl	26%		10-151%
2051-24-3	Decachlorobiphenyl	23%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-20GW
Lab Sample ID: JD36297-4
Matrix: AQ - Ground Water
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/06/21
Date Received: 12/07/21
Percent Solids: n/a

4.7

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	25600	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	6.2	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	25.2	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Barium	474	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	2.2	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	6.2	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	72600	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	56.0	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	93.0	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	42500	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	253	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	25000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	4550	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.60	0.60	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	85.2	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	16700	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	88100	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	77.9	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	416	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30309

RL = Reporting Limit

Report of Analysis

4.8

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82365.D	1	12/28/21 05:14	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	3.7	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	ND	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	ND	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	1.7	1.9	0.93	ng/l	J
335-67-1	Perfluorooctanoic acid	12.9	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	2.8	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	1.0	1.9	0.93	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	8.9	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-20GW		
Lab Sample ID:	JD36297-4A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	95%		35-135%
	13C5-PFPeA	90%		50-150%
	13C5-PFHxA	89%		50-150%
	13C4-PFHpA	91%		50-150%
	13C8-PFOA	97%		50-150%
	13C9-PFNA	97%		50-150%
	13C6-PFDA	104%		50-150%
	13C7-PFUnDA	96%		40-140%
	13C2-PFDoDA	78%		40-140%
	13C2-PFTeDA	49%		30-130%
	13C3-PFBS	96%		50-150%
	13C3-PFHxS	98%		50-150%
	13C8-PFOS	95%		50-150%
	13C8-FOSA	40%		30-130%
	d3-MeFOSAA	110%		40-140%
	d5-EtFOSAA	111%		40-140%
	13C2-6:2FTS	104%		50-150%
	13C2-8:2FTS	102%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335794.D	1	12/10/21 06:59	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.6	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.56	12	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146522.D	1	12/12/21 19:56	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146666.D	1	12/18/21 10:12	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	970 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	0.68	1.0	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	1.0	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	1.1	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	16%	39%	10-90%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

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ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	12%	27%	10-101%
118-79-6	2,4,6-Tribromophenol	47%	91%	23-155%
4165-60-0	Nitrobenzene-d5	52%	75%	25-141%
321-60-8	2-Fluorobiphenyl	50%	80%	35-126%
1718-51-0	Terphenyl-d14	36%	79%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	2.75	22	ug/l	J
	System artifact	3.03	20	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105108.D	1	12/14/21 20:58	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		21-121%
321-60-8	2-Fluorobiphenyl	74%		27-107%
1718-51-0	Terphenyl-d14	53%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155614.D	1	12/16/21 15:38	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.37	0.074	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.074	0.047	ug/l	
93-76-5	2,4,5-T	ND	0.074	0.014	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	73%		10-200%
19719-28-9	2,4-DCAA	71%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81144.D	1	12/13/21 22:46	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0082	0.0042	ug/l	
319-84-6	alpha-BHC	ND	0.0082	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0082	0.0065	ug/l	
319-86-8	delta-BHC	ND	0.0082	0.0054	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0082	0.0049	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0082	0.0040	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0082	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0082	0.0063	ug/l	
72-54-8	4,4'-DDD	ND	0.0082	0.0047	ug/l	
72-55-9	4,4'-DDE	ND	0.0082	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0082	0.0056	ug/l	
72-20-8	Endrin	ND	0.0082	0.0049	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0082	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0082	0.0055	ug/l	
53494-70-5	Endrin ketone	ND	0.0082	0.0051	ug/l	
959-98-8	Endosulfan-I	ND	0.0082	0.0043	ug/l	
33213-65-9	Endosulfan-II	ND	0.0082	0.0040	ug/l	
76-44-8	Heptachlor	ND	0.0082	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0082	0.0049	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0055	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	138%		10-190%
877-09-8	Tetrachloro-m-xylene	91%		10-190%
2051-24-3	Decachlorobiphenyl	40%		10-156%
2051-24-3	Decachlorobiphenyl	36%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475665.D	1	12/13/21 08:55	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.41	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.41	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.41	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.41	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.41	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.41	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.41	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.41	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.41	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		10-174%
877-09-8	Tetrachloro-m-xylene	81%		10-174%
2051-24-3	Decachlorobiphenyl	33%		10-151%
2051-24-3	Decachlorobiphenyl	29%		10-151%

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7540	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic	9.6	3.0	ug/l	1	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	44100	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Chromium	11.9	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	17.7	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	10000	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	20.3	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	5430	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	297	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	11.2	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	16000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	56.8	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30309

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82366.D	1	12/28/21 05:33	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	12.7	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	7.4	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	6.1	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	3.7	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	19.2	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	2.8	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	2.8	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	1.9	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	1.1	1.9	0.93	ng/l	J
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	15.4	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

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Report of Analysis

Client Sample ID:	TT-SB-22GW		
Lab Sample ID:	JD36297-5A	**Date Sampled:**	12/06/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	93%		35-135%
	13C5-PFPeA	89%		50-150%
	13C5-PFHxA	89%		50-150%
	13C4-PFHpA	90%		50-150%
	13C8-PFOA	92%		50-150%
	13C9-PFNA	88%		50-150%
	13C6-PFDA	87%		50-150%
	13C7-PFUnDA	75%		40-140%
	13C2-PFDoDA	59%		40-140%
	13C2-PFTeDA	55%		30-130%
	13C3-PFBS	91%		50-150%
	13C3-PFHxS	94%		50-150%
	13C8-PFOS	86%		50-150%
	13C8-FOSA	52%		30-130%
	d3-MeFOSAA	110%		40-140%
	d5-EtFOSAA	94%		40-140%
	13C2-6:2FTS	101%		50-150%
	13C2-8:2FTS	92%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335795.D	1	12/10/21 07:20	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.6	10	3.1	ug/l	J
71-43-2	Benzene	0.55	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	32	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146518.D	1	12/12/21 18:13	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146667.D	1	12/18/21 10:37	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	950 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.85	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	0.92	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.2	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.2	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.92	ug/l	
	3&4-Methylphenol	ND	2.1	0.91	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.99	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.95	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.42	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.24	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.67	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.68	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.40	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%	42%	10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	13%	30%	10-101%
118-79-6	2,4,6-Tribromophenol	62%	96%	23-155%
4165-60-0	Nitrobenzene-d5	46%	75%	25-141%
321-60-8	2-Fluorobiphenyl	52%	82%	35-126%
1718-51-0	Terphenyl-d14	32%	55%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	10.75	6.4	ug/l	JN
	Total TIC, Semi-Volatile		6.4	ug/l	J

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105104.D	1	12/14/21 19:36	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.0537	0.10	0.052	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		21-121%
321-60-8	2-Fluorobiphenyl	77%		27-107%
1718-51-0	Terphenyl-d14	46%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155603.D	1	12/16/21 09:15	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.080	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	105%		10-200%
19719-28-9	2,4-DCAA	128%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6G81190.D	1	12/15/21 01:37	CP	12/09/21 16:45	OP37028	G6G2871
Run #2							

	Initial Volume	Final Volume
Run #1	220 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0091	0.0047	ug/l	
319-84-6	alpha-BHC	ND	0.0091	0.0047	ug/l	
319-85-7	beta-BHC	ND	0.0091	0.0073	ug/l	
319-86-8	delta-BHC	ND	0.0091	0.0060	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0091	0.0054	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0091	0.0045	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0091	0.0039	ug/l	
60-57-1	Dieldrin	ND	0.0091	0.0070	ug/l	
72-54-8	4,4'-DDD	ND	0.0091	0.0052	ug/l	
72-55-9	4,4'-DDE	ND	0.0091	0.0046	ug/l	
50-29-3	4,4'-DDT	ND	0.0091	0.0062	ug/l	
72-20-8	Endrin	ND	0.0091	0.0055	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0091	0.0050	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0091	0.0061	ug/l	
53494-70-5	Endrin ketone	ND	0.0091	0.0056	ug/l	
959-98-8	Endosulfan-I	ND	0.0091	0.0048	ug/l	
33213-65-9	Endosulfan-II	ND	0.0091	0.0044	ug/l	
76-44-8	Heptachlor	ND	0.0091	0.0041	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0091	0.0055	ug/l	
72-43-5	Methoxychlor	ND	0.018	0.0061	ug/l	
8001-35-2	Toxaphene	ND	0.23	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	41%		10-190%
877-09-8	Tetrachloro-m-xylene	36%		10-190%
2051-24-3	Decachlorobiphenyl	11%		10-156%
2051-24-3	Decachlorobiphenyl	17%		10-156%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475666.D	1	12/13/21 09:12	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	220 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.45	0.18	ug/l	
11104-28-2	Aroclor 1221	ND	0.45	0.38	ug/l	
11141-16-5	Aroclor 1232	ND	0.45	0.24	ug/l	
53469-21-9	Aroclor 1242	ND	0.45	0.21	ug/l	
12672-29-6	Aroclor 1248	ND	0.45	0.11	ug/l	
11097-69-1	Aroclor 1254	ND	0.45	0.38	ug/l	
11096-82-5	Aroclor 1260	ND	0.45	0.14	ug/l	
11100-14-4	Aroclor 1268	ND	0.45	0.16	ug/l	
37324-23-5	Aroclor 1262	ND	0.45	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	38%		10-174%
877-09-8	Tetrachloro-m-xylene	41%		10-174%
2051-24-3	Decachlorobiphenyl	13%		10-151%
2051-24-3	Decachlorobiphenyl	12%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	70900	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Antimony [a]	< 30	30	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Arsenic [a]	66.6	15	ug/l	5	12/10/21	12/17/21	ND	SW846 6010D [4]	SW846 3010A [5]
Barium	1390	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Beryllium [a]	7.1	5.0	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Cadmium [a]	< 15	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Calcium	318000	25000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Chromium	140	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Cobalt	98.4	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Copper [a]	233	50	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Iron	376000	500	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Lead [a]	258	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Magnesium	86600	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Manganese [a]	10700	75	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Mercury	0.80	0.60	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [6]
Nickel	206	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Potassium	38500	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Selenium [a]	< 50	50	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Silver [a]	< 50	50	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Sodium	170000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Thallium [a]	< 50	50	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [5]
Vanadium	209	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]
Zinc	501	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Instrument QC Batch: MA51625
(5) Prep QC Batch: MP30296
(6) Prep QC Batch: MP30311

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82367.D	1	12/28/21 05:52	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2 [b]	2Q82430.D	5	12/29/21 01:31	AFL	12/20/21 09:00	F:OP88921	F:S2Q1165

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2	270 ml	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	9.4	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	5.9	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	5.6	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	11.4	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	111	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	1.1	1.9	0.93	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	4.1	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	2.2	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	3.6	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND [c]	19	9.3	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-23GW		
Lab Sample ID:	JD36297-6A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	83%	73%	35-135%
	13C5-PFPeA	79%	73%	50-150%
	13C5-PFHxA	78%	72%	50-150%
	13C4-PFHpA	79%	74%	50-150%
	13C8-PFOA	83%	76%	50-150%
	13C9-PFNA	85%	77%	50-150%
	13C6-PFDA	88%	73%	50-150%
	13C7-PFUnDA	72%	61%	40-140%
	13C2-PFDoDA	61%	52%	40-140%
	13C2-PFTeDA	55%	45%	30-130%
	13C3-PFBS	83%	74%	50-150%
	13C3-PFHxS	82%	74%	50-150%
	13C8-PFOS	85%	72%	50-150%
	13C8-FOSA	27% [d]	38%	30-130%
	d3-MeFOSAA	79%	65%	40-140%
	d5-EtFOSAA	74%	55%	40-140%
	13C2-6:2FTS	88%	78%	50-150%
	13C2-8:2FTS	84%	60%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335796.D	1	12/10/21 07:41	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.73	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	12	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-12GW
Lab Sample ID: JD36297-7
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/07/21
Date Received: 12/07/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146519.D	1	12/12/21 18:38	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146668.D	1	12/18/21 11:02	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	970 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	1.2	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	0.39	5.1	0.22	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	0.23	1.0	0.17	ug/l	J
86-73-7	Fluorene	0.18	1.0	0.17	ug/l	J
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	1.0	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	0.54	1.0	0.18	ug/l	J
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%	28%	10-90%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%	19%	10-101%
118-79-6	2,4,6-Tribromophenol	67%	83%	23-155%
4165-60-0	Nitrobenzene-d5	52%	68%	25-141%
321-60-8	2-Fluorobiphenyl	57%	67%	35-126%
1718-51-0	Terphenyl-d14	45%	49%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	10.79	74	ug/l	JN
	Total TIC, Semi-Volatile		74	ug/l	J

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105105.D	1	12/14/21 19:57	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.0615	0.10	0.051	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		21-121%
321-60-8	2-Fluorobiphenyl	84%		27-107%
1718-51-0	Terphenyl-d14	68%		25-118%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155604.D	1	12/16/21 09:47	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.081	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	107%		10-200%
19719-28-9	2,4-DCAA	86%		10-200%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6G81191.D	1	12/15/21 01:55	CP	12/09/21 16:45	OP37028	G6G2871
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		10-190%
877-09-8	Tetrachloro-m-xylene	91%		10-190%
2051-24-3	Decachlorobiphenyl	41%		10-156%
2051-24-3	Decachlorobiphenyl	50%		10-156%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475667.D	1	12/13/21 09:29	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		10-174%
877-09-8	Tetrachloro-m-xylene	66%		10-174%
2051-24-3	Decachlorobiphenyl	38%		10-151%
2051-24-3	Decachlorobiphenyl	35%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic [a]	< 15	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	2.0	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	210000	25000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	806	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	276000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	27.6	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	189000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	3760000	500000	ug/l	50	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	39.5	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30311

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82368.D	1	12/28/21 06:11	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2 [b]	2Q82431.D	5	12/29/21 01:50	AFL	12/20/21 09:00	F:OP88921	F:S2Q1165

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2	270 ml	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	5.4	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	1.7	1.9	0.93	ng/l	J
307-24-4	Perfluorohexanoic acid	2.9	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	4.3	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	26.6	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	0.96	1.9	0.93	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	11.6	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND [c]	19	9.3	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	2.7	3.7	1.9	ng/l	J
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-12GW		
Lab Sample ID:	JD36297-7A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	85%	89%	35-135%
	13C5-PFPeA	77%	85%	50-150%
	13C5-PFHxA	71%	82%	50-150%
	13C4-PFHpA	73%	84%	50-150%
	13C8-PFOA	77%	85%	50-150%
	13C9-PFNA	81%	83%	50-150%
	13C6-PFDA	86%	88%	50-150%
	13C7-PFUnDA	89%	83%	40-140%
	13C2-PFDoDA	73%	69%	40-140%
	13C2-PFTeDA	59%	53%	30-130%
	13C3-PFBS	83%	83%	50-150%
	13C3-PFHxS	80%	85%	50-150%
	13C8-PFOS	84%	83%	50-150%
	13C8-FOSA	23% [d]	31%	30-130%
	d3-MeFOSAA	82%	103%	40-140%
	d5-EtFOSAA	93%	96%	40-140%
	13C2-6:2FTS	82%	95%	50-150%
	13C2-8:2FTS	94%	78%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335797.D	1	12/10/21 08:02	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.74	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	0.46	2.0	0.46	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.57	9.8	ug/l	J
7446-09-5	Sulfur dioxide	1.80	9.2	ug/l	JN
	Total TIC, Volatile		9.2	ug/l	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146520.D	1	12/12/21 19:03	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146669.D	1	12/18/21 11:27	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	970 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	0.85	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	0.92	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.2	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.2	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.92	ug/l	
	3&4-Methylphenol	ND	2.1	0.91	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.99	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.1	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.95	ug/l	
83-32-9	Acenaphthene	1.1	1.0	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.1	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.1	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.42	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.67	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.57	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.68	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	0.36	5.2	0.23	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.1	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.9	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.22	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.40	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.45	ug/l	
91-20-3	Naphthalene	0.89	1.0	0.24	ug/l	J
98-95-3	Nitrobenzene	ND	2.1	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.23	ug/l	
85-01-8	Phenanthrene	0.52	1.0	0.18	ug/l	J
129-00-0	Pyrene	ND	1.0	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	16%	24%	10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	12%	17%	10-101%
118-79-6	2,4,6-Tribromophenol	53%	94%	23-155%
4165-60-0	Nitrobenzene-d5	46%	44%	25-141%
321-60-8	2-Fluorobiphenyl	48%	53%	35-126%
1718-51-0	Terphenyl-d14	21%	71%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	10.76	27	ug/l	JN
	Total TIC, Semi-Volatile		27	ug/l	J

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.15

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105106.D	1	12/14/21 20:17	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.052	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		21-121%
321-60-8	2-Fluorobiphenyl	72%		27-107%
1718-51-0	Terphenyl-d14	30%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155605.D	1	12/16/21 10:20	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.40	0.080	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.080	0.050	ug/l	
93-76-5	2,4,5-T	ND	0.080	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	121%		10-200%
19719-28-9	2,4-DCAA	96%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6G81192.D	1	12/15/21 02:13	CP	12/09/21 16:45	OP37028	G6G2871
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		10-190%
877-09-8	Tetrachloro-m-xylene	79%		10-190%
2051-24-3	Decachlorobiphenyl	40%		10-156%
2051-24-3	Decachlorobiphenyl	55%		10-156%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475668.D	1	12/13/21 09:46	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-174%
877-09-8	Tetrachloro-m-xylene	63%		10-174%
2051-24-3	Decachlorobiphenyl	49%		10-151%
2051-24-3	Decachlorobiphenyl	44%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic [a]	< 15	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	2.0	1.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	219000	25000	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	275	100	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead [a]	< 15	15	ug/l	5	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Magnesium	283000	5000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	20.5	15	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/10/21	12/10/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	193000	10000	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	4010000	500000	ug/l	50	12/10/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Thallium	< 10	10	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	12/10/21	12/15/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51573
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30296
(5) Prep QC Batch: MP30311

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82369.D	1	12/28/21 06:30	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2 [b]	2Q82432.D	5	12/29/21 02:09	AFL	12/20/21 09:00	F:OP88921	F:S2Q1165

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2	270 ml	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	4.6	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	1.9	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	2.9	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	3.7	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	26.8	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	1.0	1.9	0.93	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	12.0	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND [c]	19	9.3	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	3.3	3.7	1.9	ng/l	J
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW-DUP-01		
Lab Sample ID:	JD36297-8A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	87%	86%	35-135%
	13C5-PFPeA	79%	83%	50-150%
	13C5-PFHxA	72%	79%	50-150%
	13C4-PFHpA	73%	81%	50-150%
	13C8-PFOA	78%	82%	50-150%
	13C9-PFNA	81%	80%	50-150%
	13C6-PFDA	83%	83%	50-150%
	13C7-PFUnDA	76%	70%	40-140%
	13C2-PFDoDA	61%	55%	40-140%
	13C2-PFTeDA	56%	49%	30-130%
	13C3-PFBS	85%	83%	50-150%
	13C3-PFHxS	81%	84%	50-150%
	13C8-PFOS	83%	73%	50-150%
	13C8-FOSA	26% [d]	34%	30-130%
	d3-MeFOSAA	76%	91%	40-140%
	d5-EtFOSAA	78%	78%	40-140%
	13C2-6:2FTS	82%	91%	50-150%
	13C2-8:2FTS	93%	75%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L335798.D	1	12/10/21 08:23	JS	n/a	n/a	VL10097
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	0.47	2.0	0.46	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [a]	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	105%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.56	79	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	P146521.D	1	12/12/21 19:30	KLS	12/10/21 10:28	OP37019	EP6750
Run #2 [b]	P146670.D	1	12/18/21 11:51	CS	12/17/21 13:20	OP37190	EP6759

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	960 ml	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	13%	33%	10-90%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	10%	24%	10-101%
118-79-6	2,4,6-Tribromophenol	47%	86%	23-155%
4165-60-0	Nitrobenzene-d5	46%	67%	25-141%
321-60-8	2-Fluorobiphenyl	48%	72%	35-126%
1718-51-0	Terphenyl-d14	22%	73%	15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

(a) There are compounds in BS were outside in house QC limits. The results confirmed by reextraction outside the holding time.
(b) Sample extracted outside the holding time. Confirmation run.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105107.D	1	12/14/21 20:37	KLS	12/10/21 10:28	OP37019A	E4M4885
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		21-121%
321-60-8	2-Fluorobiphenyl	73%		27-107%
1718-51-0	Terphenyl-d14	33%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155606.D	1	12/16/21 10:52	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	245 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.41	0.081	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.082	0.051	ug/l	
93-76-5	2,4,5-T	ND	0.082	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	22%		10-200%
19719-28-9	2,4-DCAA	20%		10-200%

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81148.D	1	12/14/21 00:00	TL	12/09/21 16:45	OP37028	G6G2869
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		10-190%
877-09-8	Tetrachloro-m-xylene	70%		10-190%
2051-24-3	Decachlorobiphenyl	37%		10-156%
2051-24-3	Decachlorobiphenyl	53%		10-156%

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475673.D	1	12/13/21 11:13	TL	12/09/21 16:45	OP37029	GXX7681
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		10-174%
877-09-8	Tetrachloro-m-xylene	65%		10-174%
2051-24-3	Decachlorobiphenyl	50%		10-151%
2051-24-3	Decachlorobiphenyl	44%		10-151%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.18

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2Q82372.D	1	12/28/21 07:27	AFL	12/20/21 09:00	F:OP88921	F:S2Q1164
Run #2 [b]	2Q82433.D	5	12/29/21 02:28	AFL	12/20/21 09:00	F:OP88921	F:S2Q1165

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2	270 ml	1.0 ml

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	7.5	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	2.2	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	2.4	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	4.1	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	33.4	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	ND	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	2.4	1.9	0.93	ng/l	
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND [c]	19	9.3	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-18GW		
Lab Sample ID:	JD36297-9A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	79%	76%	35-135%
	13C5-PFPeA	75%	74%	50-150%
	13C5-PFHxA	74%	73%	50-150%
	13C4-PFHpA	80%	76%	50-150%
	13C8-PFOA	84%	79%	50-150%
	13C9-PFNA	88%	79%	50-150%
	13C6-PFDA	97%	79%	50-150%
	13C7-PFUnDA	82%	68%	40-140%
	13C2-PFDoDA	71%	59%	40-140%
	13C2-PFTeDA	60%	47%	30-130%
	13C3-PFBS	80%	75%	50-150%
	13C3-PFHxS	85%	78%	50-150%
	13C8-PFOS	86%	80%	50-150%
	13C8-FOSA	23% [d]	37%	30-130%
	d3-MeFOSAA	98%	79%	40-140%
	d5-EtFOSAA	95%	68%	40-140%
	13C2-6:2FTS	92%	85%	50-150%
	13C2-8:2FTS	94%	68%	50-150%

(a) Analysis performed at SGS Orlando, FL.
(b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
(c) Result is from Run# 2
(d) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

GW

JD36297

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: JS-111121-141
SGS Quote #:
SGS Job #:

Client / Reporting Information

Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City / State / Zip: PARSIPPANY NJ 07954
Project Contact / E-mail: BOB CANTAGALLO ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: (973) 630-4045
Sampler(s) Name(s) / Phone #: A. VALL

Project Information

Project Name: 2ND AVE & 33RD ST.
Street:
City / State: BROOKLYN NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

V8260 TCL +20	AB8270 TCL +20	BB270 SIM - 1,4 Dioxane	PB082 PCB 11, Peak TCL	48157 STD	MTAL	LCID 537 NY 21

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TT-SB-31GW		12/06/21	0845	CB	G		GW	14	3		1		10				✓	
2	TT-SB-30GW		12/06/21	1037	CB	G		GW	14	3		1		10				✓	
3	TT-SB-27GW		12/06/21	1201	CB	G		GW	14	3		1		10				✓	
4	TT-SB-20GW		12/06/21	1320	CB	G		GW	14	3		1		10				✓	
5	TT-SB-22GW		12/06/21	1520	CB	G		GW	14	3		1		10				✓	
6	TT-SB-23GW		12/07/21	0832	CB	G		GW	14	3		1		10				✓	
7	TT-SB-12GW		12/07/21	1105	CB	G		GW	14	3		1		10				✓	
8	GW-DUP01		12/07/21	1200	CB	G		GW	13	2		1		10				✓	
9	TT-SB-18GW		12/07/21	1215	CB	G		GW	13	3				10				✓	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

4 X 250 8082 PCB LVI
4 X 250 HBIS1 STD LVI

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 A. Vall	12/07/21 1317	1	2	12/7/21 1900	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary / On ice / Cooler Temp. °C

2.0, 2.9, 3.7
3.0, 3.4, 2.6
2.1, 2.5, 2.5, 2.6

5.1

SGS Sample Receipt Summary

Job Number: JD36297 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/7/2021 7:00:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (2.9); Cooler 3: (3.7); Cooler 4: (3.0); Cooler 5: (3.4); Cooler 6: (2.6); Cooler 7: (2.1); Cooler 8: (2.5); Cooler 9: (2.5); Cooler 10: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (0.6); Cooler 2: (1.5); Cooler 3: (2.3); Cooler 4: (1.6); Cooler 5: (2.0); Cooler 6: (1.2); Cooler 7: (0.7); Cooler 8: (1.1); Cooler 9: (1.1); Cooler 10: (1.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	10		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD36297: Chain of Custody
Page 2 of 4

JD36297: Chain of Custody
Page 3 of 4

Job Change Order: JD36297

Requested Date:	12/13/2021	**Received Date:**	12/7/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD36297-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD36297: Chain of Custody
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CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD36297

Client / Reporting Information
Company Name:
Street Address:
City State Zip
Project Contact: Jadon.schiller@sgs.com E-mail:
Phone #:
Sampler(s) Name(s): CB Phone:

Project Information (Reporting Information)
Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	NaSO4	None	D. Water	MeOH	EnCore	LCID537N*21 LCMS+14DAY	Matrix Codes / LAB USE ONLY
1A	TT-SB-31GW		12/6/21	8:45:00 AM	CB	AQ										X	
2A	TT-SB-30GW		12/6/21	10:37:00 AM	CB	AQ										X	
3A	TT-SB-27GW		12/6/21	12:01:00 PM	CB	AQ										X	
4A	TT-SB-20GW		12/6/21	1:20:00 PM	CB	AQ										X	
5A	TT-SB-22GW		12/6/21	3:20:00 PM	CB	AQ										X	
6A	TT-SB-23GW		12/7/21	8:32:00 AM	CB	AQ										X	
7A	TT-SB-12GW		12/7/21	11:05:00 AM	CB	AQ										X	
8A	GW-DUP-01		12/7/21	12:00:00 PM	CB	AQ										X	
9A	TT-SB-18GW		12/7/21	12:15:00 PM	CB	AQ										X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

INITIAL ASSESSMENT

LABEL VERIFICATION

Turnaround Time (Business days)
Approved By (SGS PM): / Date:
- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink. Approval needed for RUSH/Emergency TAT.

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1 Michael Nappo	Date / Time: 12/8/21 1400	Received By: 1	Relinquished By: 2	Date / Time: 12/6/21 1530	Received By: 2		
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4		
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not Intact	Preserved where applicable [ ] Absent	[ ] Therm. ID:	[ ] On Ice	Cooler Temp °C

0.4 IR#4

jd36297.xls
Rev Date: 4/10/18

5.2

JD36297: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD36297 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/9/2021 3:30:00 PM **Delivery Method:** FX **Airbill #'s:** 5272 0636 9954

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2);

Cooler Temps (Corrected) °C: Cooler 1: (0.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 12/9/2021 3:30:00 PM Reviewer: _____ Date: _____

5.2

JD36297: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36309

Sampling Date: 12/07/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 53

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Table of Contents

Sample Summary

Tetra Tech

Job No: JD36309

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36309-1	12/07/21	13:20	CB	12/07/21	AQ	Ground Water	TT-SB-13GW
JD36309-1A	12/07/21	13:20	CB	12/07/21	AQ	Ground Water	TT-SB-13GW
JD36309-2	12/07/21	14:20	CB	12/07/21	AQ	Ground Water	TT-SB-06GW
JD36309-2A	12/07/21	14:20	CB	12/07/21	AQ	Ground Water	TT-SB-06GW
JD36309-3	12/07/21	15:35	CB	12/07/21	AQ	Ground Water	TT-SB-02GW
JD36309-3A	12/07/21	15:35	CB	12/07/21	AQ	Ground Water	TT-SB-02GW

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD36309
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/29/2021 4:45:00 P

On 12/07/2021, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36309 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2B8533

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD36383-2MS, JD36383-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD36309-3 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-2 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-2 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-1 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-1 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-3 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-1 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-3 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD36309-2 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: AQ **Batch ID:** F:OP88920

- The data for EPA 537M BY ID meets quality control requirements.
- JD36309-1A: Analysis performed at SGS Orlando, FL.
- JD36309-3A: Analysis performed at SGS Orlando, FL.
- JD36309-2A: Analysis performed at SGS Orlando, FL.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP37044

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36294-5MS, JD36294-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD36309-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 2,6-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for Hexachloroethane: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for Hexachloroethane: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- OP37044-BS1 for Acenaphthylene: Outside of in house control limits, but within the marginal exceedance limits.
- JD36309-1 for 2,6-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2,4-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2,6-Dinitrotoluene: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for Acetophenone: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for Nitrobenzene: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for Hexachloroethane: Associated CCV outside of control limits high, sample was ND.
- JD36309-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for Atrazine: Associated CCV outside of control limits high, sample was ND.
- JD36309-1 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: AQ **Batch ID:** OP37044

- JD36309-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD36309-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ **Batch ID:** OP37044A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD36294-5MS, JD36294-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: AQ **Batch ID:** OP37055

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36387-1MS, JD36387-1MSD, OP37055-MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 4,4'-DDD are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for Endrin aldehyde are outside control limits for sample OP37055-MSD. Analytical precision exceeds in-house control limits.
- OP37055-BS1: Had TBA cleanup.
- OP37055-BSD: Had TBA cleanup.
- OP37055-MB1: Had TBA cleanup.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: AQ **Batch ID:** OP37056

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8151A

Matrix: AQ **Batch ID:** OP37027

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP30320

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36309-2MS, JD36309-2MSD, JD36309-2SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Arsenic, Aluminum, Cadmium, Chromium, Lead, Nickel, Silver, Vanadium are outside control limits for sample MP30320-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP30320-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- JD36309-2 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD36309-2 for Thallium: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7470A

Matrix: AQ **Batch ID:** MP30335

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD36305-2MS, JD36305-2MSD were used as the QC samples for metals.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	SGS Dayton, NJ	**Job No:**	JD36309
Site:	TTNJP: 2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/29/2021 10:49:40

On 12/07/2021, 3 Sample(s), 0 Trip Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 0.4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD36309 was Assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages

MS Semi-volatiles By Method EPA 537M BY ID

Matrix: AQ **Batch ID:** OP88920

Sample(s) FA91009-21MS, FA91009-21MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Perfluorotridecanoic acid are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for Perfluorotridecanoic acid are outside control limits for sample OP88920-MSD. Probable cause is due to sample non-homogeneity.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives exceptas noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

_____

Ariel Hartney, Client Services (signature on file)

Summary of Hits

Job Number: JD36309
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36309-1	**TT-SB-13GW**					
Benzo(a)anthracene		0.76 J	1.0	0.21	ug/l	SW846 8270E
Benzo(a)pyrene		0.65 J	1.0	0.22	ug/l	SW846 8270E
Benzo(b)fluoranthene		0.90 J	1.0	0.21	ug/l	SW846 8270E
Benzo(g,h,i)perylene		0.46 J	1.0	0.35	ug/l	SW846 8270E
Benzo(k)fluoranthene		0.38 J	1.0	0.21	ug/l	SW846 8270E
Chrysene		0.64 J	1.0	0.18	ug/l	SW846 8270E
Fluoranthene		1.5	1.0	0.17	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene		0.57 J	1.0	0.34	ug/l	SW846 8270E
Phenanthrene		0.65 J	1.0	0.18	ug/l	SW846 8270E
Pyrene		1.5	1.0	0.22	ug/l	SW846 8270E
1,4-Dioxane		0.0784 J	0.10	0.051	ug/l	SW846 8270E BY SIM
Aluminum		437	200		ug/l	SW846 6010D
Arsenic		3.1	3.0		ug/l	SW846 6010D
Calcium		107000	5000		ug/l	SW846 6010D
Iron		868	100		ug/l	SW846 6010D
Lead		135	3.0		ug/l	SW846 6010D
Magnesium		27000	5000		ug/l	SW846 6010D
Manganese		96.4	15		ug/l	SW846 6010D
Potassium		13000	10000		ug/l	SW846 6010D
Sodium		107000	10000		ug/l	SW846 6010D
Zinc		100	20		ug/l	SW846 6010D
JD36309-1A	**TT-SB-13GW**					
Perfluorobutanoic acid [a]		2.9 J	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [a]		1.6 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [a]		1.7 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [a]		4.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [a]		23.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [a]		1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [a]		2.7	1.9	0.93	ng/l	EPA 537M BY ID
JD36309-2	**TT-SB-06GW**					
Aluminum		596	200		ug/l	SW846 6010D
Arsenic [b]		30.1	15		ug/l	SW846 6010D
Barium		577	200		ug/l	SW846 6010D
Calcium		229000	25000		ug/l	SW846 6010D
Iron		20200	100		ug/l	SW846 6010D
Lead		6.2	3.0		ug/l	SW846 6010D
Magnesium		58800	5000		ug/l	SW846 6010D
Manganese		6880	15		ug/l	SW846 6010D
Potassium		19600	10000		ug/l	SW846 6010D

Summary of Hits

Job Number: JD36309
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/07/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		308000	50000		ug/l	SW846 6010D
JD36309-2A	**TT-SB-06GW**					
Perfluorobutanoic acid [a]		10.4	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [a]		4.1	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [a]		3.4	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [a]		3.2	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [a]		28.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [a]		1.5 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [a]		1.6 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [a]		2.3	1.9	0.93	ng/l	EPA 537M BY ID
JD36309-3	**TT-SB-02GW**					
1,4-Dioxane		0.117	0.11	0.053	ug/l	SW846 8270E BY SIM
Aluminum		1920	200		ug/l	SW846 6010D
Arsenic		6.3	3.0		ug/l	SW846 6010D
Calcium		170000	5000		ug/l	SW846 6010D
Iron		5970	100		ug/l	SW846 6010D
Lead		11.9	3.0		ug/l	SW846 6010D
Magnesium		31900	5000		ug/l	SW846 6010D
Manganese		2210	15		ug/l	SW846 6010D
Potassium		14900	10000		ug/l	SW846 6010D
Sodium		118000	10000		ug/l	SW846 6010D
Zinc		60.5	20		ug/l	SW846 6010D
JD36309-3A	**TT-SB-02GW**					
Perfluorobutanoic acid [a]		6.4	3.7	1.9	ng/l	EPA 537M BY ID
Perfluoropentanoic acid [a]		1.8 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanoic acid [a]		1.8 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid [a]		2.9	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanoic acid [a]		61.8	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorononanoic acid [a]		1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid [a]		1.2 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid [a]		1.1 J	1.9	0.93	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid [a]		2.7	1.9	0.93	ng/l	EPA 537M BY ID

(a) Analysis performed at SGS Orlando, FL.
(b) Elevated detection limit due to dilution required for high interfering element.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B187938.D	1	12/11/21 06:55	JS	n/a	n/a	V2B8533
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.68	76	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176989.D	1	12/13/21 12:28	KLS	12/10/21 10:25	OP37044	EM7608
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.84	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	0.91	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	2.5	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.1	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.1	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.91	ug/l	
	3&4-Methylphenol	ND	2.0	0.90	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.1	0.98	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.1	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.40	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.1	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.94	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone [a]	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.0	0.46	ug/l	
100-52-7	Benzaldehyde	ND	5.1	0.29	ug/l	
56-55-3	Benzo(a)anthracene	0.76	1.0	0.21	ug/l	J
50-32-8	Benzo(a)pyrene	0.65	1.0	0.22	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.90	1.0	0.21	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.46	1.0	0.35	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.38	1.0	0.21	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.47	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.35	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	0.64	1.0	0.18	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.0	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.52	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.67	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.34	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.51	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.27	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	1.5	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane [a]	ND	2.0	0.40	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.57	1.0	0.34	ug/l	J
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.45	ug/l	
91-20-3	Naphthalene	ND	1.0	0.24	ug/l	
98-95-3	Nitrobenzene [a]	ND	2.0	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.23	ug/l	
85-01-8	Phenanthrene	0.65	1.0	0.18	ug/l	J
129-00-0	Pyrene	1.5	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.38	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	18%		10-101%
118-79-6	2,4,6-Tribromophenol	92%		23-155%
4165-60-0	Nitrobenzene-d5	73%		25-141%
321-60-8	2-Fluorobiphenyl	63%		35-126%
1718-51-0	Terphenyl-d14	44%		15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.82	11	ug/l	J
	system artifact	3.09	10	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105185.D	1	12/16/21 20:05	KLS	12/10/21 10:25	OP37044A	E4M4888
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.0784	0.10	0.051	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		21-121%
321-60-8	2-Fluorobiphenyl	65%		27-107%
1718-51-0	Terphenyl-d14	47%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155608.D	1	12/16/21 11:56	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	255 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.39	0.078	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.078	0.049	ug/l	
93-76-5	2,4,5-T	ND	0.078	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	94%		10-200%
19719-28-9	2,4-DCAA	89%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81170.D	1	12/14/21 08:03	CP	12/10/21 16:40	OP37055	G6G2870
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0083	0.0043	ug/l	
319-84-6	alpha-BHC	ND	0.0083	0.0043	ug/l	
319-85-7	beta-BHC	ND	0.0083	0.0067	ug/l	
319-86-8	delta-BHC	ND	0.0083	0.0055	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0083	0.0050	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0083	0.0041	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0083	0.0035	ug/l	
60-57-1	Dieldrin	ND	0.0083	0.0064	ug/l	
72-54-8	4,4'-DDD	ND	0.0083	0.0048	ug/l	
72-55-9	4,4'-DDE	ND	0.0083	0.0042	ug/l	
50-29-3	4,4'-DDT	ND	0.0083	0.0057	ug/l	
72-20-8	Endrin	ND	0.0083	0.0050	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0083	0.0045	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0083	0.0056	ug/l	
53494-70-5	Endrin ketone	ND	0.0083	0.0052	ug/l	
959-98-8	Endosulfan-I	ND	0.0083	0.0044	ug/l	
33213-65-9	Endosulfan-II	ND	0.0083	0.0041	ug/l	
76-44-8	Heptachlor	ND	0.0083	0.0037	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0083	0.0050	ug/l	
72-43-5	Methoxychlor	ND	0.017	0.0056	ug/l	
8001-35-2	Toxaphene	ND	0.21	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-190%
877-09-8	Tetrachloro-m-xylene	69%		10-190%
2051-24-3	Decachlorobiphenyl	44%		10-156%
2051-24-3	Decachlorobiphenyl	44%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475785.D	1	12/14/21 22:34	TL	12/10/21 16:40	OP37056	GXX7683
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.42	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.42	0.35	ug/l	
11141-16-5	Aroclor 1232	ND	0.42	0.22	ug/l	
53469-21-9	Aroclor 1242	ND	0.42	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.42	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.42	0.34	ug/l	
11096-82-5	Aroclor 1260	ND	0.42	0.13	ug/l	
11100-14-4	Aroclor 1268	ND	0.42	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.42	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		10-174%
877-09-8	Tetrachloro-m-xylene	68%		10-174%
2051-24-3	Decachlorobiphenyl	44%		10-151%
2051-24-3	Decachlorobiphenyl	38%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	437	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	3.1	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	107000	5000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	868	100	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	135	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	27000	5000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	96.4	15	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	12/13/21	12/13/21	SB	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	13000	10000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	107000	10000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	100	20	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA51583
(2) Instrument QC Batch: MA51617
(3) Prep QC Batch: MP30320
(4) Prep QC Batch: MP30335

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51153.D	1	12/23/21 23:32	AFL	12/20/21 09:00	F:OP88920	F:S3Q715
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	2.9	3.7	1.9	ng/l	J
2706-90-3	Perfluoropentanoic acid	1.6	1.9	0.93	ng/l	J
307-24-4	Perfluorohexanoic acid	1.7	1.9	0.93	ng/l	J
375-85-9	Perfluoroheptanoic acid	4.9	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	23.9	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	ND	1.9	0.93	ng/l	
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	1.1	1.9	0.93	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	2.7	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-13GW		
Lab Sample ID:	JD36309-1A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	100%		35-135%
	13C5-PFPeA	98%		50-150%
	13C5-PFHxA	97%		50-150%
	13C4-PFHpA	99%		50-150%
	13C8-PFOA	103%		50-150%
	13C9-PFNA	101%		50-150%
	13C6-PFDA	97%		50-150%
	13C7-PFUnDA	88%		40-140%
	13C2-PFDoDA	83%		40-140%
	13C2-PFTeDA	84%		30-130%
	13C3-PFBS	97%		50-150%
	13C3-PFHxS	97%		50-150%
	13C8-PFOS	95%		50-150%
	13C8-FOSA	91%		30-130%
	d3-MeFOSAA	99%		40-140%
	d5-EtFOSAA	96%		40-140%
	13C2-6:2FTS	99%		50-150%
	13C2-8:2FTS	94%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B187939.D	1	12/11/21 07:24	JS	n/a	n/a	V2B8533
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	105%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.68	81	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176990.D	1	12/13/21 12:57	KLS	12/10/21 10:25	OP37044	EM7608
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone [a]	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane [a]	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene [a]	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-101%
118-79-6	2,4,6-Tribromophenol	106%		23-155%
4165-60-0	Nitrobenzene-d5	72%		25-141%
321-60-8	2-Fluorobiphenyl	64%		35-126%
1718-51-0	Terphenyl-d14	65%		15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.23	5.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105186.D	1	12/16/21 20:26	KLS	12/10/21 10:25	OP37044A	E4M4888
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		21-121%
321-60-8	2-Fluorobiphenyl	68%		27-107%
1718-51-0	Terphenyl-d14	78%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155609.D	1	12/16/21 12:28	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	240 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.42	0.083	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.083	0.052	ug/l	
93-76-5	2,4,5-T	ND	0.083	0.016	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		10-200%
19719-28-9	2,4-DCAA	100%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81171.D	1	12/14/21 08:22	CP	12/10/21 16:40	OP37055	G6G2870
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		10-190%
877-09-8	Tetrachloro-m-xylene	74%		10-190%
2051-24-3	Decachlorobiphenyl	24%		10-156%
2051-24-3	Decachlorobiphenyl	25%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475786.D	1	12/14/21 22:52	TL	12/10/21 16:40	OP37056	GXX7683
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		10-174%
877-09-8	Tetrachloro-m-xylene	73%		10-174%
2051-24-3	Decachlorobiphenyl	28%		10-151%
2051-24-3	Decachlorobiphenyl	24%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	596	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Antimony	< 6.0	6.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Arsenic [a]	30.1	15	ug/l	5	12/13/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Barium	577	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Calcium	229000	25000	ug/l	5	12/13/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Iron	20200	100	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Lead	6.2	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Magnesium	58800	5000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Manganese	6880	15	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	12/13/21	12/13/21	SB	SW846 7470A [1]	SW846 7470A [5]
Nickel	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Potassium	19600	10000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Sodium	308000	50000	ug/l	5	12/13/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Thallium [a]	< 50	50	ug/l	5	12/13/21	12/16/21	ND	SW846 6010D [3]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA51583
(2) Instrument QC Batch: MA51610
(3) Instrument QC Batch: MA51617
(4) Prep QC Batch: MP30320
(5) Prep QC Batch: MP30335

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51154.D	1	12/23/21 23:48	AFL	12/20/21 09:00	F:OP88920	F:S3Q715
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	10.4	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	4.1	1.9	0.93	ng/l	
307-24-4	Perfluorohexanoic acid	3.4	1.9	0.93	ng/l	
375-85-9	Perfluoroheptanoic acid	3.2	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	28.8	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	1.5	1.9	0.93	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	1.6	1.9	0.93	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	ND	1.9	0.93	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	2.3	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-06GW		
Lab Sample ID:	JD36309-2A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	88%		35-135%
	13C5-PFPeA	85%		50-150%
	13C5-PFHxA	83%		50-150%
	13C4-PFHpA	84%		50-150%
	13C8-PFOA	91%		50-150%
	13C9-PFNA	91%		50-150%
	13C6-PFDA	87%		50-150%
	13C7-PFUnDA	79%		40-140%
	13C2-PFDoDA	76%		40-140%
	13C2-PFTeDA	69%		30-130%
	13C3-PFBS	86%		50-150%
	13C3-PFHxS	87%		50-150%
	13C8-PFOS	85%		50-150%
	13C8-FOSA	59%		30-130%
	d3-MeFOSAA	100%		40-140%
	d5-EtFOSAA	95%		40-140%
	13C2-6:2FTS	95%		50-150%
	13C2-8:2FTS	90%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B187940.D	1	12/11/21 07:53	JS	n/a	n/a	V2B8533
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	104%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.68	120	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M176991.D	1	12/13/21 13:27	KLS	12/10/21 10:25	OP37044	EM7608
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	0.86	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	0.94	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.1	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.6	ug/l	
51-28-5	2,4-Dinitrophenol [a]	ND	5.3	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	5.3	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.1	0.93	ug/l	
	3&4-Methylphenol	ND	2.1	0.93	ug/l	
88-75-5	2-Nitrophenol [a]	ND	5.3	1.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.2	1.5	ug/l	
108-95-2	Phenol	ND	2.1	0.41	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	5.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.97	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.20	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.14	ug/l	
98-86-2	Acetophenone [a]	ND	2.1	0.22	ug/l	
120-12-7	Anthracene	ND	1.1	0.22	ug/l	
1912-24-9	Atrazine [a]	ND	2.1	0.47	ug/l	
100-52-7	Benzaldehyde	ND	5.3	0.30	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.21	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.43	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.48	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.22	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.25	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.36	ug/l	
86-74-8	Carbazole	ND	1.1	0.24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.5

Client Sample ID: TT-SB-02GW
Lab Sample ID: JD36309-3
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/07/21
Date Received: 12/07/21
Percent Solids: n/a

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.68	ug/l	
218-01-9	Chrysene	ND	1.1	0.19	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.29	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.26	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.1	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene [a]	ND	1.1	0.58	ug/l	
606-20-2	2,6-Dinitrotoluene [a]	ND	1.1	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.1	0.53	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.69	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.35	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.52	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.28	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.18	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.34	ug/l	
87-68-3	Hexachlorobutadiene [a]	ND	1.1	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	2.9	ug/l	
67-72-1	Hexachloroethane [a]	ND	2.1	0.41	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.35	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.22	ug/l	
88-74-4	2-Nitroaniline [a]	ND	5.3	0.29	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	0.41	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	0.46	ug/l	
91-20-3	Naphthalene	ND	1.1	0.24	ug/l	
98-95-3	Nitrobenzene [a]	ND	2.1	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	2.1	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.18	ug/l	
129-00-0	Pyrene	ND	1.1	0.23	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.39	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-90%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-101%
118-79-6	2,4,6-Tribromophenol	108%		23-155%
4165-60-0	Nitrobenzene-d5	74%		25-141%
321-60-8	2-Fluorobiphenyl	64%		35-126%
1718-51-0	Terphenyl-d14	65%		15-139%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.23	5.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M105187.D	1	12/16/21 20:47	KLS	12/10/21 10:25	OP37044A	E4M4888
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	0.117	0.11	0.053	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		21-121%
321-60-8	2-Fluorobiphenyl	69%		27-107%
1718-51-0	Terphenyl-d14	77%		25-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8151A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA155610.D	1	12/16/21 13:33	CP	12/10/21 20:45	OP37027	GOA5503
Run #2							

	Initial Volume	Final Volume
Run #1	260 ml	2.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.38	0.077	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.077	0.048	ug/l	
93-76-5	2,4,5-T	ND	0.077	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	120%		10-200%
19719-28-9	2,4-DCAA	133%		10-200%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G81172.D	1	12/14/21 09:44	CP	12/10/21 16:40	OP37055	G6G2870
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	ND	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		10-190%
877-09-8	Tetrachloro-m-xylene	80%		10-190%
2051-24-3	Decachlorobiphenyl	40%		10-156%
2051-24-3	Decachlorobiphenyl	40%		10-156%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2475787.D	1	12/14/21 23:09	TL	12/10/21 16:40	OP37056	GXX7683
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.18	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.10	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.12	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		10-174%
877-09-8	Tetrachloro-m-xylene	78%		10-174%
2051-24-3	Decachlorobiphenyl	40%		10-151%
2051-24-3	Decachlorobiphenyl	37%		10-151%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
		Percent Solids:	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	1920	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Arsenic	6.3	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Calcium	170000	5000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Iron	5970	100	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Lead	11.9	3.0	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Magnesium	31900	5000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Manganese	2210	15	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	12/13/21	12/13/21	SB	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Potassium	14900	10000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Sodium	118000	10000	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]
Zinc	60.5	20	ug/l	1	12/13/21	12/16/21	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA51583
(2) Instrument QC Batch: MA51617
(3) Prep QC Batch: MP30320
(4) Prep QC Batch: MP30335

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3Q51155.D	1	12/24/21 00:05	AFL	12/20/21 09:00	F:OP88920	F:S3Q715
Run #2							

	Initial Volume	Final Volume
Run #1	270 ml	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	6.4	3.7	1.9	ng/l	
2706-90-3	Perfluoropentanoic acid	1.8	1.9	0.93	ng/l	J
307-24-4	Perfluorohexanoic acid	1.8	1.9	0.93	ng/l	J
375-85-9	Perfluoroheptanoic acid	2.9	1.9	0.93	ng/l	
335-67-1	Perfluorooctanoic acid	61.8	1.9	0.93	ng/l	
375-95-1	Perfluorononanoic acid	1.1	1.9	0.93	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	1.9	0.93	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	1.9	0.93	ng/l	
307-55-1	Perfluorododecanoic acid	ND	1.9	0.93	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	1.9	0.93	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	1.9	0.93	ng/l	
PERFLUOROALKYLSULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	1.2	1.9	0.93	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	1.1	1.9	0.93	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	1.9	0.93	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	2.7	1.9	0.93	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	1.9	0.93	ng/l	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	3.7	1.9	ng/l	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	3.7	1.9	ng/l	
2991-50-6	EtFOSAA	ND	3.7	1.9	ng/l	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	7.4	1.9	ng/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-02GW		
Lab Sample ID:	JD36309-3A	**Date Sampled:**	12/07/21
Matrix:	AQ - Ground Water	**Date Received:**	12/07/21
Method:	EPA 537M BY ID IN HOUSE	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	86%		35-135%
	13C5-PFPeA	82%		50-150%
	13C5-PFHxA	80%		50-150%
	13C4-PFHpA	83%		50-150%
	13C8-PFOA	87%		50-150%
	13C9-PFNA	89%		50-150%
	13C6-PFDA	87%		50-150%
	13C7-PFUnDA	75%		40-140%
	13C2-PFDoDA	59%		40-140%
	13C2-PFTeDA	36%		30-130%
	13C3-PFBS	83%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	81%		50-150%
	13C8-FOSA	36%		30-130%
	d3-MeFOSAA	101%		40-140%
	d5-EtFOSAA	89%		40-140%
	13C2-6:2FTS	92%		50-150%
	13C2-8:2FTS	91%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)

GW

CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
SGS Quote #:
Bottle Order Control #: 35-12421-2411
SGS Job #: JD36309

Client / Reporting Information

Company Name: TETRA TECH
Street Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: (973) 630-4045
Sampler(s) Name(s): A. VALLI / CHRIS BEERS Phone #:

Project Information

Project Name: 2ND AVE & 33RD ST.
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

V8260 TCL+20
A8270 TCL+20
B8270 Sim. 1,4 Dioxane
P8082, PCB's, Pest TCL
H8151 STD
MTBE
LCID 537 NY21

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	TT-SB-13GW	0	12/07/21	1320	CB	G		GW	14	3		1		10				✓	E87
2	TT-SB-06GW	0	12/07/21	1420	CB	G		GW	14	3		1		10				✓	V990
3	TT-SB-02GW	0	12/07/21	1535	CB	G		GW	13	3		1		6				✓	SVB

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NYASP Category A
- NYASP Category B
- MA MCP Criteria_____
- CT RCP Criteria_____
- State Forms
- EDD Format _____
- DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Initial Assessment GB-ZB
Lab Verification_____
• 250 ml Ex bottles 4x

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	12/07/21 1740		2		2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary

On Ice ✓ Cooler Temp. °C: 3.2, 3.2, 3.0

5.1

SGS Sample Receipt Summary

Job Number: JD36309 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/7/2021 5:48:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.2); Cooler 2: (3.2); Cooler 3: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.8); Cooler 2: (1.8); Cooler 3: (1.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

Job Change Order: JD36309

Requested Date:	12/13/2021	**Received Date:**	12/7/2021
Account Name:	Tetra Tech	**Due Date:**	12/13/2021
Project Description:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Deliverable:**	NYASPB
C/O Initiated By:	JADONS **PM:** JBS	**TAT (Days):**	7

==========

Sample #: JD36309-ALL

Dept:

TAT: 7

Change:
Please move project to TTNJP90692 and re-sub to ALSE.

==========

Above Changes Per: Jadon Schiller **Date/Time:** 12/13/2021

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

5.1

JD36309: Chain of Custody
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CHAIN OF CUSTODY

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD36309

Client / Reporting Information

Company Name:
Street Address:
City State Zip
Project Contact E-mail: Jadon.schiller@sgs.com
Phone #:
Sampler(s) Name(s): CB Phone #:

Project Information

Project Name: 2nd Avenue and 33-39th Street, Brooklyn, NY
Street:
City State
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip
Attention:

Requested Analysis

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	HCl/DI	DI Water	MEOH	ENCORE	LCID537NY21: LCMS+14DAY	LAB USE ONLY
1A	TT-SB-13GW		12/7/21	1:20:00 PM	CB	AQ										X	
2A	TT-SB-06GW		12/7/21	2:20:00 PM	CB	AQ										X	
3A	TT-SB-02GW		12/7/21	3:35:00 PM	CB	AQ										X	

INITIAL ASSESSMENT DD

LABEL VERIFICATION SM

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Business Days
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] Other 1/14/1900

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [X] Other NYASPB

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Michael Mapp	12/8/21 19:00	1	2	12/9/21 15:30	2
3			3	4		4
5			5	Custody Seal #	Intact / Not Intact	Preserved where applicable: Absent / Therm. ID: / On Ice / Cooler Temp. °C

0.4 ER#7

jd36309.xls
Rev. Date: 4/10/18

JD36309: Chain of Custody
Page 1 of 2
SGS Orlando, FL

SGS Sample Receipt Summary

Job Number: JD36309 **Client:** SGS NJ **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/9/2021 3:30:00 PM **Delivery Method:** FX **Airbill #'s:** 5272 0636 9954

Therm ID: IR 1; **Therm CF:** 0.2; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2);

Cooler Temps (Corrected) °C: Cooler 1: (0.4);

Cooler Information	Y	or	N
1. Custody Seals Present	☑		☐
2. Custody Seals Intact	☑		☐
3. Temp criteria achieved	☑		☐
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Trip Blank Information	Y	or	N	N/A
1. Trip Blank present / cooler	☐		☐	☑
2. Trip Blank listed on COC	☐		☐	☑

	W	or	S	N/A
3. Type Of TB Received	☐		☐	☑

Sample Information	Y	or	N	N/A
1. Sample labels present on bottles	☑		☐	
2. Samples preserved properly	☑		☐	
3. Sufficient volume/containers recvd for analysis:	☑		☐	
4. Condition of sample	Intact			
5. Sample recvd within HT	☑		☐	
6. Dates/Times/IDs on COC match Sample Label	☑		☐	
7. VOCs have headspace	☐		☐	☑
8. Bottles received for unspecified tests	☐		☑	
9. Compositing instructions clear	☐		☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐		☐	☑
11. % Solids Jar received?	☐		☐	☑
12. Residual Chlorine Present?	☐		☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: STEPHENP Date: 12/9/2021 3:30:00 PM Reviewer: _____ Date: _____

5.2

JD36309: Chain of Custody
Page 2 of 2

Dayton, NJ

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Tetra Tech

2nd Avenue and 33-39th Street, Brooklyn, NY

SGS Job Number: JD36521

Sampling Date: 12/08/21

Report to:

Tetra Tech

Robert.Cantagallo@tetratech.com

ATTN: Bob Cantagallo

Total number of pages in report: 62

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Jadon Schiller 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

Table of Contents

Sample Summary

Tetra Tech

Job No: JD36521

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD36521-1	12/08/21	14:50	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-33SV
JD36521-2	12/08/21	14:53	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-32SV
JD36521-3	12/08/21	14:57	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-25SV
JD36521-4	12/08/21	15:00	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-24SV
JD36521-5	12/08/21	15:52	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-39SV
JD36521-6	12/08/21	15:56	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-37SV
JD36521-7	12/08/21	16:26	AV	12/09/21	AIR	Ambient Air Comp.	TT-SB-A
JD36521-8	12/08/21	16:29	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-19SV
JD36521-9	12/08/21	16:32	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-14SV
JD36521-10	12/08/21	16:49	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-16SV
JD36521-11	12/08/21	16:56	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-36SV
JD36521-12	12/08/21	17:00	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-02SV

Sample Summary
(continued)

Tetra Tech

Job No: JD36521

2nd Avenue and 33-39th Street, Brooklyn, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD36521-13	12/08/21	17:39	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-17SV
JD36521-14	12/08/21	17:46	AV	12/09/21	AIR	Soil Vapor Comp.	TT-SB-21SV

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Tetra Tech	**Job No**	JD36521
Site:	2nd Avenue and 33-39th Street, Brooklyn, NY	**Report Date**	12/17/2021 12:24:50 P

On 12/09/2021, 14 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. A SGS North America Inc. Job Number of JD36521 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W1936

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD36496-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2,2,4-Trimethylpentane, 4-Ethyltoluene, Benzene, Cyclohexane, Heptane, m,p-Xylene, Methyl Tert Butyl Ether, o-Xylene, Toluene, Xylenes (total) are outside control limits for sample JD36496-1DUP.

Matrix: AIR **Batch ID:** V5W1937

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD36521-12DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for 2-Hexanone, Hexane are outside control limits for sample JD36521-12DUP.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36521-1	**TT-SB-33SV**					
Acetone (2-Propanone)		20.7	0.20	0.11	ppbv	TO-15
Benzene		1.6	0.20	0.012	ppbv	TO-15
Carbon disulfide		25.7	0.20	0.024	ppbv	TO-15
Chloromethane		0.15 J	0.20	0.015	ppbv	TO-15
Cyclohexane		108	2.0	0.22	ppbv	TO-15
Dichlorodifluoromethane		0.20	0.20	0.017	ppbv	TO-15
Ethanol		2.0	0.50	0.22	ppbv	TO-15
4-Ethyltoluene		4.2	0.20	0.030	ppbv	TO-15
Heptane		103	2.0	0.18	ppbv	TO-15
Hexane		21.8	0.20	0.011	ppbv	TO-15
Isopropyl Alcohol		0.48	0.20	0.065	ppbv	TO-15
Methylene chloride		0.21	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone		4.4	0.20	0.042	ppbv	TO-15
Propylene		34.1	0.50	0.016	ppbv	TO-15
1,2,4-Trimethylbenzene		2.2	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene		3.3	0.20	0.034	ppbv	TO-15
Tertiary Butyl Alcohol		0.91	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.41	0.040	0.031	ppbv	TO-15
Toluene		13.7	0.20	0.014	ppbv	TO-15
m,p-Xylene		21.0	0.20	0.034	ppbv	TO-15
o-Xylene		10.4	0.20	0.017	ppbv	TO-15
Xylenes (total)		31.4	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		49.2	0.48	0.26	ug/m3	TO-15
Benzene		5.1	0.64	0.038	ug/m3	TO-15
Carbon disulfide		80.0	0.62	0.075	ug/m3	TO-15
Chloromethane		0.31 J	0.41	0.031	ug/m3	TO-15
Cyclohexane		372	6.9	0.76	ug/m3	TO-15
Dichlorodifluoromethane		0.99	0.99	0.084	ug/m3	TO-15
Ethanol		3.8	0.94	0.41	ug/m3	TO-15
4-Ethyltoluene		21	0.98	0.15	ug/m3	TO-15
Heptane		422	8.2	0.74	ug/m3	TO-15
Hexane		76.8	0.70	0.039	ug/m3	TO-15
Isopropyl Alcohol		1.2	0.49	0.16	ug/m3	TO-15
Methylene chloride		0.73	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone		13	0.59	0.12	ug/m3	TO-15
Propylene		58.6	0.86	0.027	ug/m3	TO-15
1,2,4-Trimethylbenzene		11	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene		16	0.98	0.17	ug/m3	TO-15
Tertiary Butyl Alcohol		2.8	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		2.8	0.27	0.21	ug/m3	TO-15
Toluene		51.6	0.75	0.053	ug/m3	TO-15
m,p-Xylene		91.2	0.87	0.15	ug/m3	TO-15
o-Xylene		45.2	0.87	0.074	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Xylenes (total)		136	0.87	0.074	ug/m3	TO-15
JD36521-2	**TT-SB-32SV**					
Acetone (2-Propanone)		5.2	0.20	0.11	ppbv	TO-15
Benzene		0.39	0.20	0.012	ppbv	TO-15
Carbon disulfide		1.9	0.20	0.024	ppbv	TO-15
Chloroethane		0.66	0.20	0.048	ppbv	TO-15
Chloroform		2.0	0.20	0.020	ppbv	TO-15
Chloromethane		0.59	0.20	0.015	ppbv	TO-15
Carbon tetrachloride		0.24	0.040	0.024	ppbv	TO-15
Cyclohexane		0.39	0.20	0.022	ppbv	TO-15
1,1-Dichloroethane		0.28	0.20	0.012	ppbv	TO-15
Dichlorodifluoromethane		0.29	0.20	0.017	ppbv	TO-15
o-Dichlorobenzene		0.14	0.040	0.022	ppbv	TO-15
Ethanol		1.6	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.27	0.20	0.015	ppbv	TO-15
Ethyl Acetate		1.2	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.55	0.20	0.030	ppbv	TO-15
Heptane		0.19 J	0.20	0.018	ppbv	TO-15
Hexane		0.32	0.20	0.011	ppbv	TO-15
Isopropyl Alcohol		0.36	0.20	0.065	ppbv	TO-15
Methylene chloride		0.25	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone		2.3	0.20	0.042	ppbv	TO-15
Propylene		9.9	0.50	0.016	ppbv	TO-15
Styrene		0.21	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		3.9	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.53	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene		0.15 J	0.20	0.034	ppbv	TO-15
2,2,4-Trimethylpentane		0.14 J	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol		1.2	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.78	0.040	0.031	ppbv	TO-15
Tetrahydrofuran		0.12 J	0.20	0.050	ppbv	TO-15
Toluene		0.90	0.20	0.014	ppbv	TO-15
Trichloroethylene		0.13	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane		0.17	0.10	0.028	ppbv	TO-15
m,p-Xylene		1.1	0.20	0.034	ppbv	TO-15
o-Xylene		0.50	0.20	0.017	ppbv	TO-15
Xylenes (total)		1.6	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		12	0.48	0.26	ug/m3	TO-15
Benzene		1.2	0.64	0.038	ug/m3	TO-15
Carbon disulfide		5.9	0.62	0.075	ug/m3	TO-15
Chloroethane		1.7	0.53	0.13	ug/m3	TO-15
Chloroform		9.8	0.98	0.098	ug/m3	TO-15
Chloromethane		1.2	0.41	0.031	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Carbon tetrachloride		1.5	0.25	0.15	ug/m3	TO-15
Cyclohexane		1.3	0.69	0.076	ug/m3	TO-15
1,1-Dichloroethane		1.1	0.81	0.049	ug/m3	TO-15
Dichlorodifluoromethane		1.4	0.99	0.084	ug/m3	TO-15
o-Dichlorobenzene		0.84	0.24	0.13	ug/m3	TO-15
Ethanol		3.0	0.94	0.41	ug/m3	TO-15
Ethylbenzene		1.2	0.87	0.065	ug/m3	TO-15
Ethyl Acetate		4.3	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		2.7	0.98	0.15	ug/m3	TO-15
Heptane		0.78 J	0.82	0.074	ug/m3	TO-15
Hexane		1.1	0.70	0.039	ug/m3	TO-15
Isopropyl Alcohol		0.88	0.49	0.16	ug/m3	TO-15
Methylene chloride		0.87	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone		6.8	0.59	0.12	ug/m3	TO-15
Propylene		17	0.86	0.027	ug/m3	TO-15
Styrene		0.89	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane		21	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.6	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.74 J	0.98	0.17	ug/m3	TO-15
2,2,4-Trimethylpentane		0.65 J	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol		3.6	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		5.3	0.27	0.21	ug/m3	TO-15
Tetrahydrofuran		0.35 J	0.59	0.15	ug/m3	TO-15
Toluene		3.4	0.75	0.053	ug/m3	TO-15
Trichloroethylene		0.70	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane		0.96	0.56	0.16	ug/m3	TO-15
m,p-Xylene		4.8	0.87	0.15	ug/m3	TO-15
o-Xylene		2.2	0.87	0.074	ug/m3	TO-15
Xylenes (total)		6.9	0.87	0.074	ug/m3	TO-15
JD36521-3	**TT-SB-25SV**					
Acetone (2-Propanone)		23.9	0.20	0.11	ppbv	TO-15
Benzene		0.22	0.20	0.012	ppbv	TO-15
Carbon disulfide		0.51	0.20	0.024	ppbv	TO-15
Chloroform		0.10 J	0.20	0.020	ppbv	TO-15
Cyclohexane		2.3	0.20	0.022	ppbv	TO-15
Dichlorodifluoromethane		0.32	0.20	0.017	ppbv	TO-15
Ethanol		11.5	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.14 J	0.20	0.015	ppbv	TO-15
Ethyl Acetate		2.3	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.20	0.20	0.030	ppbv	TO-15
Heptane		0.42	0.20	0.018	ppbv	TO-15
Hexane		0.46	0.20	0.011	ppbv	TO-15
2-Hexanone		1.9	0.20	0.036	ppbv	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Isopropyl Alcohol	2.6	0.20	0.065	ppbv	TO-15
Methylene chloride	0.23	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone	23.8	0.20	0.042	ppbv	TO-15
Methyl Tert Butyl Ether	0.76	0.20	0.019	ppbv	TO-15
Propylene	6.3	0.50	0.016	ppbv	TO-15
Styrene	0.14 J	0.20	0.019	ppbv	TO-15
1,2,4-Trimethylbenzene	0.19 J	0.20	0.033	ppbv	TO-15
2,2,4-Trimethylpentane	0.14 J	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol	0.92	0.20	0.014	ppbv	TO-15
Tetrachloroethylene	1.2	0.040	0.031	ppbv	TO-15
Toluene	0.46	0.20	0.014	ppbv	TO-15
Trichloroethylene	2.2	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	0.18	0.10	0.028	ppbv	TO-15
m,p-Xylene	0.43	0.20	0.034	ppbv	TO-15
o-Xylene	0.21	0.20	0.017	ppbv	TO-15
Xylenes (total)	0.63	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)	56.8	0.48	0.26	ug/m3	TO-15
Benzene	0.70	0.64	0.038	ug/m3	TO-15
Carbon disulfide	1.6	0.62	0.075	ug/m3	TO-15
Chloroform	0.49 J	0.98	0.098	ug/m3	TO-15
Cyclohexane	7.9	0.69	0.076	ug/m3	TO-15
Dichlorodifluoromethane	1.6	0.99	0.084	ug/m3	TO-15
Ethanol	21.7	0.94	0.41	ug/m3	TO-15
Ethylbenzene	0.61 J	0.87	0.065	ug/m3	TO-15
Ethyl Acetate	8.3	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene	0.98	0.98	0.15	ug/m3	TO-15
Heptane	1.7	0.82	0.074	ug/m3	TO-15
Hexane	1.6	0.70	0.039	ug/m3	TO-15
2-Hexanone	7.8	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol	6.4	0.49	0.16	ug/m3	TO-15
Methylene chloride	0.80	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone	70.2	0.59	0.12	ug/m3	TO-15
Methyl Tert Butyl Ether	2.7	0.72	0.069	ug/m3	TO-15
Propylene	11	0.86	0.027	ug/m3	TO-15
Styrene	0.60 J	0.85	0.081	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.93 J	0.98	0.16	ug/m3	TO-15
2,2,4-Trimethylpentane	0.65 J	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol	2.8	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene	8.1	0.27	0.21	ug/m3	TO-15
Toluene	1.7	0.75	0.053	ug/m3	TO-15
Trichloroethylene	12	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane	1.0	0.56	0.16	ug/m3	TO-15
m,p-Xylene	1.9	0.87	0.15	ug/m3	TO-15
o-Xylene	0.91	0.87	0.074	ug/m3	TO-15
Xylenes (total)	2.7	0.87	0.074	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36521-4	**TT-SB-24SV**					
Acetone (2-Propanone)		31.9	0.20	0.11	ppbv	TO-15
Benzene		0.97	0.20	0.012	ppbv	TO-15
Carbon disulfide		131	2.0	0.24	ppbv	TO-15
Chloromethane		0.20	0.20	0.015	ppbv	TO-15
Cyclohexane		16.4	0.20	0.022	ppbv	TO-15
Dichlorodifluoromethane		0.39	0.20	0.017	ppbv	TO-15
trans-1,2-Dichloroethylene		0.16 J	0.20	0.0073	ppbv	TO-15
cis-1,2-Dichloroethylene		1.5	0.040	0.012	ppbv	TO-15
Ethanol		5.6	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.23	0.20	0.015	ppbv	TO-15
Ethyl Acetate		2.9	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.43	0.20	0.030	ppbv	TO-15
Freon 114		0.16	0.10	0.019	ppbv	TO-15
Heptane		1.2	0.20	0.018	ppbv	TO-15
Hexane		1.5	0.20	0.011	ppbv	TO-15
2-Hexanone		3.3	0.20	0.036	ppbv	TO-15
Isopropyl Alcohol		0.50	0.20	0.065	ppbv	TO-15
Methylene chloride		0.65	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone		31.5	0.20	0.042	ppbv	TO-15
Styrene		0.13 J	0.20	0.019	ppbv	TO-15
1,2,4-Trimethylbenzene		0.33	0.20	0.033	ppbv	TO-15
2,2,4-Trimethylpentane		16.2	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol		1.4	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.69	0.040	0.031	ppbv	TO-15
Toluene		0.73	0.20	0.014	ppbv	TO-15
Trichlorofluoromethane		0.11	0.10	0.028	ppbv	TO-15
Vinyl chloride		0.34	0.040	0.022	ppbv	TO-15
m,p-Xylene		0.94	0.20	0.034	ppbv	TO-15
o-Xylene		0.40	0.20	0.017	ppbv	TO-15
Xylenes (total)		1.3	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		75.8	0.48	0.26	ug/m3	TO-15
Benzene		3.1	0.64	0.038	ug/m3	TO-15
Carbon disulfide		408	6.2	0.75	ug/m3	TO-15
Chloromethane		0.41	0.41	0.031	ug/m3	TO-15
Cyclohexane		56.5	0.69	0.076	ug/m3	TO-15
Dichlorodifluoromethane		1.9	0.99	0.084	ug/m3	TO-15
trans-1,2-Dichloroethylene		0.63 J	0.79	0.029	ug/m3	TO-15
cis-1,2-Dichloroethylene		5.9	0.16	0.048	ug/m3	TO-15
Ethanol		11	0.94	0.41	ug/m3	TO-15
Ethylbenzene		1.0	0.87	0.065	ug/m3	TO-15
Ethyl Acetate		10	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		2.1	0.98	0.15	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Freon 114		1.1	0.70	0.13	ug/m3	TO-15
Heptane		4.9	0.82	0.074	ug/m3	TO-15
Hexane		5.3	0.70	0.039	ug/m3	TO-15
2-Hexanone		13	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol		1.2	0.49	0.16	ug/m3	TO-15
Methylene chloride		2.3	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone		92.9	0.59	0.12	ug/m3	TO-15
Styrene		0.55 J	0.85	0.081	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.6	0.98	0.16	ug/m3	TO-15
2,2,4-Trimethylpentane		75.7	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol		4.2	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		4.7	0.27	0.21	ug/m3	TO-15
Toluene		2.8	0.75	0.053	ug/m3	TO-15
Trichlorofluoromethane		0.62	0.56	0.16	ug/m3	TO-15
Vinyl chloride		0.87	0.10	0.056	ug/m3	TO-15
m,p-Xylene		4.1	0.87	0.15	ug/m3	TO-15
o-Xylene		1.7	0.87	0.074	ug/m3	TO-15
Xylenes (total)		5.6	0.87	0.074	ug/m3	TO-15
JD36521-5	**TT-SB-39SV**					
Acetone (2-Propanone)		36.2	0.16	0.090	ppbv	TO-15
Benzene		14.2	0.16	0.0095	ppbv	TO-15
Carbon disulfide		153	8.0	0.94	ppbv	TO-15
Chloromethane		0.13 J	0.16	0.012	ppbv	TO-15
Cyclohexane		39.0	8.0	0.88	ppbv	TO-15
1,1-Dichloroethylene		1.0	0.032	0.013	ppbv	TO-15
Dichlorodifluoromethane		0.35	0.16	0.013	ppbv	TO-15
trans-1,2-Dichloroethylene		1.8	0.16	0.0058	ppbv	TO-15
cis-1,2-Dichloroethylene		1.2	0.032	0.0094	ppbv	TO-15
Ethanol		3.7	0.40	0.17	ppbv	TO-15
Ethylbenzene		0.66	0.16	0.012	ppbv	TO-15
Ethyl Acetate		4.2	0.16	0.030	ppbv	TO-15
Heptane		29.4	0.16	0.014	ppbv	TO-15
Hexane		58.5	8.0	0.42	ppbv	TO-15
Isopropyl Alcohol		0.56	0.16	0.052	ppbv	TO-15
Methylene chloride		0.31	0.16	0.012	ppbv	TO-15
Methyl ethyl ketone		27.7	0.16	0.034	ppbv	TO-15
Styrene		0.10 J	0.16	0.015	ppbv	TO-15
1,2,4-Trimethylbenzene		0.25	0.16	0.026	ppbv	TO-15
1,3,5-Trimethylbenzene		0.093 J	0.16	0.027	ppbv	TO-15
2,2,4-Trimethylpentane		12.5	0.16	0.017	ppbv	TO-15
Tertiary Butyl Alcohol		1.0	0.16	0.011	ppbv	TO-15
Tetrachloroethylene		0.74	0.032	0.025	ppbv	TO-15
Toluene		3.0	0.16	0.012	ppbv	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Trichlorofluoromethane	0.081	0.080	0.022	ppbv	TO-15
Vinyl chloride	37.3	0.032	0.018	ppbv	TO-15
m,p-Xylene	1.5	0.16	0.027	ppbv	TO-15
Xylenes (total)	1.5	0.16	0.014	ppbv	TO-15
Acetone (2-Propanone)	86.0	0.38	0.21	ug/m3	TO-15
Benzene	45.4	0.51	0.030	ug/m3	TO-15
Carbon disulfide	476	25	2.9	ug/m3	TO-15
Chloromethane	0.27 J	0.33	0.025	ug/m3	TO-15
Cyclohexane	134	28	3.0	ug/m3	TO-15
1,1-Dichloroethylene	4.0	0.13	0.052	ug/m3	TO-15
Dichlorodifluoromethane	1.7	0.79	0.064	ug/m3	TO-15
trans-1,2-Dichloroethylene	7.1	0.63	0.023	ug/m3	TO-15
cis-1,2-Dichloroethylene	4.8	0.13	0.037	ug/m3	TO-15
Ethanol	7.0	0.75	0.32	ug/m3	TO-15
Ethylbenzene	2.9	0.69	0.052	ug/m3	TO-15
Ethyl Acetate	15	0.58	0.11	ug/m3	TO-15
Heptane	120	0.66	0.057	ug/m3	TO-15
Hexane	206	28	1.5	ug/m3	TO-15
Isopropyl Alcohol	1.4	0.39	0.13	ug/m3	TO-15
Methylene chloride	1.1	0.56	0.042	ug/m3	TO-15
Methyl ethyl ketone	81.7	0.47	0.10	ug/m3	TO-15
Styrene	0.43 J	0.68	0.064	ug/m3	TO-15
1,2,4-Trimethylbenzene	1.2	0.79	0.13	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.46 J	0.79	0.13	ug/m3	TO-15
2,2,4-Trimethylpentane	58.4	0.75	0.079	ug/m3	TO-15
Tertiary Butyl Alcohol	3.0	0.49	0.033	ug/m3	TO-15
Tetrachloroethylene	5.0	0.22	0.17	ug/m3	TO-15
Toluene	11	0.60	0.045	ug/m3	TO-15
Trichlorofluoromethane	0.46	0.45	0.12	ug/m3	TO-15
Vinyl chloride	95.3	0.082	0.046	ug/m3	TO-15
m,p-Xylene	6.5	0.69	0.12	ug/m3	TO-15
Xylenes (total)	6.5	0.69	0.061	ug/m3	TO-15
JD36521-6 TT-SB-37SV					
Acetone (2-Propanone)	5.0	0.20	0.11	ppbv	TO-15
Benzene	1.3	0.20	0.012	ppbv	TO-15
Carbon disulfide	0.78	0.20	0.024	ppbv	TO-15
Chloroform	0.16 J	0.20	0.020	ppbv	TO-15
1,4-Dioxane	0.24	0.20	0.052	ppbv	TO-15
Dichlorodifluoromethane	0.42	0.20	0.017	ppbv	TO-15
Ethanol	2.6	0.50	0.22	ppbv	TO-15
Ethylbenzene	0.30	0.20	0.015	ppbv	TO-15
Ethyl Acetate	5.5	0.20	0.038	ppbv	TO-15
4-Ethyltoluene	0.56	0.20	0.030	ppbv	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Freon 113	0.60	0.10	0.017	ppbv	TO-15
Heptane	0.30	0.20	0.018	ppbv	TO-15
Hexachlorobutadiene	0.15	0.090	0.046	ppbv	TO-15
Hexane	0.46	0.20	0.011	ppbv	TO-15
Isopropyl Alcohol	0.60	0.20	0.065	ppbv	TO-15
Methylene chloride	0.39	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone	5.4	0.20	0.042	ppbv	TO-15
Styrene	0.17 J	0.20	0.019	ppbv	TO-15
1,2,4-Trichlorobenzene	0.13	0.10	0.089	ppbv	TO-15
1,2,4-Trimethylbenzene	0.47	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene	0.16 J	0.20	0.034	ppbv	TO-15
2,2,4-Trimethylpentane	0.12 J	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol	1.1	0.20	0.014	ppbv	TO-15
Tetrachloroethylene	1.6	0.040	0.031	ppbv	TO-15
Tetrahydrofuran	4.7	0.20	0.050	ppbv	TO-15
Toluene	1.3	0.20	0.014	ppbv	TO-15
Trichloroethylene	0.27	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	3.5	0.10	0.028	ppbv	TO-15
m,p-Xylene	1.2	0.20	0.034	ppbv	TO-15
o-Xylene	0.43	0.20	0.017	ppbv	TO-15
Xylenes (total)	1.6	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)	12	0.48	0.26	ug/m3	TO-15
Benzene	4.2	0.64	0.038	ug/m3	TO-15
Carbon disulfide	2.4	0.62	0.075	ug/m3	TO-15
Chloroform	0.78 J	0.98	0.098	ug/m3	TO-15
1,4-Dioxane	0.86	0.72	0.19	ug/m3	TO-15
Dichlorodifluoromethane	2.1	0.99	0.084	ug/m3	TO-15
Ethanol	4.9	0.94	0.41	ug/m3	TO-15
Ethylbenzene	1.3	0.87	0.065	ug/m3	TO-15
Ethyl Acetate	20	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene	2.8	0.98	0.15	ug/m3	TO-15
Freon 113	4.6	0.77	0.13	ug/m3	TO-15
Heptane	1.2	0.82	0.074	ug/m3	TO-15
Hexachlorobutadiene	1.6	0.96	0.49	ug/m3	TO-15
Hexane	1.6	0.70	0.039	ug/m3	TO-15
Isopropyl Alcohol	1.5	0.49	0.16	ug/m3	TO-15
Methylene chloride	1.4	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone	16	0.59	0.12	ug/m3	TO-15
Styrene	0.72 J	0.85	0.081	ug/m3	TO-15
1,2,4-Trichlorobenzene	0.97	0.74	0.66	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.3	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.79 J	0.98	0.17	ug/m3	TO-15
2,2,4-Trimethylpentane	0.56 J	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol	3.3	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene	11	0.27	0.21	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrahydrofuran		14	0.59	0.15	ug/m3	TO-15
Toluene		4.9	0.75	0.053	ug/m3	TO-15
Trichloroethylene		1.5	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane		20	0.56	0.16	ug/m3	TO-15
m,p-Xylene		5.2	0.87	0.15	ug/m3	TO-15
o-Xylene		1.9	0.87	0.074	ug/m3	TO-15
Xylenes (total)		6.9	0.87	0.074	ug/m3	TO-15
JD36521-7	**TT-SB-A**					
Acetone (2-Propanone)		1.8	0.16	0.090	ppbv	TO-15
Benzene		0.24	0.16	0.0095	ppbv	TO-15
Chloromethane		0.42	0.16	0.012	ppbv	TO-15
Cyclohexane		0.079 J	0.16	0.018	ppbv	TO-15
Dichlorodifluoromethane		0.36	0.16	0.013	ppbv	TO-15
Ethanol		5.9	0.40	0.17	ppbv	TO-15
Ethyl Acetate		18.1	0.16	0.030	ppbv	TO-15
Hexane		0.14 J	0.16	0.0085	ppbv	TO-15
Isopropyl Alcohol		0.89	0.16	0.052	ppbv	TO-15
Methylene chloride		0.24	0.16	0.012	ppbv	TO-15
Methyl ethyl ketone		0.14 J	0.16	0.034	ppbv	TO-15
2,2,4-Trimethylpentane		0.093 J	0.16	0.017	ppbv	TO-15
Tetrachloroethylene		0.053	0.032	0.025	ppbv	TO-15
Toluene		0.40	0.16	0.012	ppbv	TO-15
Trichlorofluoromethane		0.20	0.080	0.022	ppbv	TO-15
m,p-Xylene		0.21	0.16	0.027	ppbv	TO-15
Xylenes (total)		0.21	0.16	0.014	ppbv	TO-15
Acetone (2-Propanone)		4.3	0.38	0.21	ug/m3	TO-15
Benzene		0.77	0.51	0.030	ug/m3	TO-15
Chloromethane		0.87	0.33	0.025	ug/m3	TO-15
Cyclohexane		0.27 J	0.55	0.062	ug/m3	TO-15
Dichlorodifluoromethane		1.8	0.79	0.064	ug/m3	TO-15
Ethanol		11	0.75	0.32	ug/m3	TO-15
Ethyl Acetate		65.1	0.58	0.11	ug/m3	TO-15
Hexane		0.49 J	0.56	0.030	ug/m3	TO-15
Isopropyl Alcohol		2.2	0.39	0.13	ug/m3	TO-15
Methylene chloride		0.83	0.56	0.042	ug/m3	TO-15
Methyl ethyl ketone		0.41 J	0.47	0.10	ug/m3	TO-15
2,2,4-Trimethylpentane		0.43 J	0.75	0.079	ug/m3	TO-15
Tetrachloroethylene		0.36	0.22	0.17	ug/m3	TO-15
Toluene		1.5	0.60	0.045	ug/m3	TO-15
Trichlorofluoromethane		1.1	0.45	0.12	ug/m3	TO-15
m,p-Xylene		0.91	0.69	0.12	ug/m3	TO-15
Xylenes (total)		0.91	0.69	0.061	ug/m3	TO-15

Summary of Hits

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Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD36521-8	**TT-SB-19SV**					
Acetone (2-Propanone)		16.7	0.20	0.11	ppbv	TO-15
Carbon disulfide		0.11 J	0.20	0.024	ppbv	TO-15
Dichlorodifluoromethane		0.24	0.20	0.017	ppbv	TO-15
Ethanol		4.1	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.12 J	0.20	0.015	ppbv	TO-15
Ethyl Acetate		1.1	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.29	0.20	0.030	ppbv	TO-15
Freon 113		0.038 J	0.10	0.017	ppbv	TO-15
Heptane		0.50	0.20	0.018	ppbv	TO-15
Hexane		0.27	0.20	0.011	ppbv	TO-15
2-Hexanone		4.7	0.20	0.036	ppbv	TO-15
Isopropyl Alcohol		0.32	0.20	0.065	ppbv	TO-15
Methylene chloride		0.15 J	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone		36.4	0.20	0.042	ppbv	TO-15
Propylene		5.9	0.50	0.016	ppbv	TO-15
Styrene		0.18 J	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		0.89	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.26	0.20	0.033	ppbv	TO-15
Tertiary Butyl Alcohol		0.94	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.30	0.040	0.031	ppbv	TO-15
Toluene		0.40	0.20	0.014	ppbv	TO-15
Trichlorofluoromethane		0.11	0.10	0.028	ppbv	TO-15
m,p-Xylene		0.50	0.20	0.034	ppbv	TO-15
o-Xylene		0.20	0.20	0.017	ppbv	TO-15
Xylenes (total)		0.70	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		39.7	0.48	0.26	ug/m3	TO-15
Carbon disulfide		0.34 J	0.62	0.075	ug/m3	TO-15
Dichlorodifluoromethane		1.2	0.99	0.084	ug/m3	TO-15
Ethanol		7.7	0.94	0.41	ug/m3	TO-15
Ethylbenzene		0.52 J	0.87	0.065	ug/m3	TO-15
Ethyl Acetate		4.0	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		1.4	0.98	0.15	ug/m3	TO-15
Freon 113		0.29 J	0.77	0.13	ug/m3	TO-15
Heptane		2.0	0.82	0.074	ug/m3	TO-15
Hexane		0.95	0.70	0.039	ug/m3	TO-15
2-Hexanone		19	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol		0.79	0.49	0.16	ug/m3	TO-15
Methylene chloride		0.52 J	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone		107	0.59	0.12	ug/m3	TO-15
Propylene		10	0.86	0.027	ug/m3	TO-15
Styrene		0.77 J	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane		4.9	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.3	0.98	0.16	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
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Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tertiary Butyl Alcohol		2.8	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		2.0	0.27	0.21	ug/m3	TO-15
Toluene		1.5	0.75	0.053	ug/m3	TO-15
Trichlorofluoromethane		0.62	0.56	0.16	ug/m3	TO-15
m,p-Xylene		2.2	0.87	0.15	ug/m3	TO-15
o-Xylene		0.87	0.87	0.074	ug/m3	TO-15
Xylenes (total)		3.0	0.87	0.074	ug/m3	TO-15
JD36521-9	**TT-SB-14SV**					
Acetone (2-Propanone)		20.0	0.20	0.11	ppbv	TO-15
Benzene		0.73	0.20	0.012	ppbv	TO-15
Chloroform		0.18 J	0.20	0.020	ppbv	TO-15
1,1-Dichloroethane		0.15 J	0.20	0.012	ppbv	TO-15
1,4-Dioxane		0.30	0.20	0.052	ppbv	TO-15
Dichlorodifluoromethane		0.25	0.20	0.017	ppbv	TO-15
Ethanol		6.2	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.32	0.20	0.015	ppbv	TO-15
Ethyl Acetate		1.1	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.52	0.20	0.030	ppbv	TO-15
Heptane		0.87	0.20	0.018	ppbv	TO-15
Hexane		0.71	0.20	0.011	ppbv	TO-15
Isopropyl Alcohol		1.1	0.20	0.065	ppbv	TO-15
Methyl ethyl ketone		40.2	0.20	0.042	ppbv	TO-15
Propylene		9.6	0.50	0.016	ppbv	TO-15
Styrene		0.14 J	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		0.24	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.43	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene		0.13 J	0.20	0.034	ppbv	TO-15
2,2,4-Trimethylpentane		0.23	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol		2.9	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.85	0.040	0.031	ppbv	TO-15
Toluene		0.89	0.20	0.014	ppbv	TO-15
Trichlorofluoromethane		0.097 J	0.10	0.028	ppbv	TO-15
m,p-Xylene		1.1	0.20	0.034	ppbv	TO-15
o-Xylene		0.47	0.20	0.017	ppbv	TO-15
Xylenes (total)		1.6	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		47.5	0.48	0.26	ug/m3	TO-15
Benzene		2.3	0.64	0.038	ug/m3	TO-15
Chloroform		0.88 J	0.98	0.098	ug/m3	TO-15
1,1-Dichloroethane		0.61 J	0.81	0.049	ug/m3	TO-15
1,4-Dioxane		1.1	0.72	0.19	ug/m3	TO-15
Dichlorodifluoromethane		1.2	0.99	0.084	ug/m3	TO-15
Ethanol		12	0.94	0.41	ug/m3	TO-15
Ethylbenzene		1.4	0.87	0.065	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ethyl Acetate		4.0	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		2.6	0.98	0.15	ug/m3	TO-15
Heptane		3.6	0.82	0.074	ug/m3	TO-15
Hexane		2.5	0.70	0.039	ug/m3	TO-15
Isopropyl Alcohol		2.7	0.49	0.16	ug/m3	TO-15
Methyl ethyl ketone		119	0.59	0.12	ug/m3	TO-15
Propylene		16	0.86	0.027	ug/m3	TO-15
Styrene		0.60 J	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane		1.3	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.1	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.64 J	0.98	0.17	ug/m3	TO-15
2,2,4-Trimethylpentane		1.1	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol		8.8	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		5.8	0.27	0.21	ug/m3	TO-15
Toluene		3.4	0.75	0.053	ug/m3	TO-15
Trichlorofluoromethane		0.55 J	0.56	0.16	ug/m3	TO-15
m,p-Xylene		4.8	0.87	0.15	ug/m3	TO-15
o-Xylene		2.0	0.87	0.074	ug/m3	TO-15
Xylenes (total)		6.9	0.87	0.074	ug/m3	TO-15
JD36521-10	**TT-SB-16SV**					
Acetone (2-Propanone)		17.5	0.20	0.11	ppbv	TO-15
Benzene		1.0	0.20	0.012	ppbv	TO-15
Carbon disulfide		5.5	0.20	0.024	ppbv	TO-15
Chloroform		0.35	0.20	0.020	ppbv	TO-15
Chloromethane		0.096 J	0.20	0.015	ppbv	TO-15
Cyclohexane		0.55	0.20	0.022	ppbv	TO-15
Dichlorodifluoromethane		0.32	0.20	0.017	ppbv	TO-15
Ethanol		4.1	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.22	0.20	0.015	ppbv	TO-15
Ethyl Acetate		1.2	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.34	0.20	0.030	ppbv	TO-15
Heptane		0.89	0.20	0.018	ppbv	TO-15
Hexane		1.2	0.20	0.011	ppbv	TO-15
2-Hexanone		5.5	0.20	0.036	ppbv	TO-15
Isopropyl Alcohol		0.38	0.20	0.065	ppbv	TO-15
Methyl ethyl ketone		41.1	0.20	0.042	ppbv	TO-15
Propylene		15.8	0.50	0.016	ppbv	TO-15
Styrene		0.22	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		0.63	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.27	0.20	0.033	ppbv	TO-15
2,2,4-Trimethylpentane		0.31	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol		1.5	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.85	0.040	0.031	ppbv	TO-15

Summary of Hits

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Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Toluene		1.3	0.20	0.014	ppbv	TO-15
Trichloroethylene		0.19	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane		0.24	0.10	0.028	ppbv	TO-15
m,p-Xylene		0.76	0.20	0.034	ppbv	TO-15
o-Xylene		0.31	0.20	0.017	ppbv	TO-15
Xylenes (total)		1.1	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		41.6	0.48	0.26	ug/m3	TO-15
Benzene		3.2	0.64	0.038	ug/m3	TO-15
Carbon disulfide		17	0.62	0.075	ug/m3	TO-15
Chloroform		1.7	0.98	0.098	ug/m3	TO-15
Chloromethane		0.20 J	0.41	0.031	ug/m3	TO-15
Cyclohexane		1.9	0.69	0.076	ug/m3	TO-15
Dichlorodifluoromethane		1.6	0.99	0.084	ug/m3	TO-15
Ethanol		7.7	0.94	0.41	ug/m3	TO-15
Ethylbenzene		0.96	0.87	0.065	ug/m3	TO-15
Ethyl Acetate		4.3	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		1.7	0.98	0.15	ug/m3	TO-15
Heptane		3.6	0.82	0.074	ug/m3	TO-15
Hexane		4.2	0.70	0.039	ug/m3	TO-15
2-Hexanone		22	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol		0.93	0.49	0.16	ug/m3	TO-15
Methyl ethyl ketone		121	0.59	0.12	ug/m3	TO-15
Propylene		27.1	0.86	0.027	ug/m3	TO-15
Styrene		0.94	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane		3.4	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.3	0.98	0.16	ug/m3	TO-15
2,2,4-Trimethylpentane		1.4	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol		4.5	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		5.8	0.27	0.21	ug/m3	TO-15
Toluene		4.9	0.75	0.053	ug/m3	TO-15
Trichloroethylene		1.0	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.16	ug/m3	TO-15
m,p-Xylene		3.3	0.87	0.15	ug/m3	TO-15
o-Xylene		1.3	0.87	0.074	ug/m3	TO-15
Xylenes (total)		4.8	0.87	0.074	ug/m3	TO-15
JD36521-11	**TT-SB-36SV**					
Acetone (2-Propanone)		11.0	0.20	0.11	ppbv	TO-15
Benzene		0.59	0.20	0.012	ppbv	TO-15
Carbon disulfide		0.51	0.20	0.024	ppbv	TO-15
Chloroform		0.40	0.20	0.020	ppbv	TO-15
Cyclohexane		0.16 J	0.20	0.022	ppbv	TO-15
1,1-Dichloroethane		0.98	0.20	0.012	ppbv	TO-15
Dichlorodifluoromethane		0.27	0.20	0.017	ppbv	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Ethanol	2.8	0.50	0.22	ppbv	TO-15
Ethylbenzene	0.20	0.20	0.015	ppbv	TO-15
Ethyl Acetate	1.4	0.20	0.038	ppbv	TO-15
4-Ethyltoluene	0.47	0.20	0.030	ppbv	TO-15
Heptane	0.38	0.20	0.018	ppbv	TO-15
Hexane	0.40	0.20	0.011	ppbv	TO-15
2-Hexanone	3.3	0.20	0.036	ppbv	TO-15
Isopropyl Alcohol	0.35	0.20	0.065	ppbv	TO-15
Methyl ethyl ketone	24.4	0.20	0.042	ppbv	TO-15
Styrene	0.13 J	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane	0.57	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene	0.54	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene	0.21	0.20	0.034	ppbv	TO-15
Tertiary Butyl Alcohol	0.94	0.20	0.014	ppbv	TO-15
Tetrachloroethylene	0.28	0.040	0.031	ppbv	TO-15
Toluene	0.55	0.20	0.014	ppbv	TO-15
Trichlorofluoromethane	0.20	0.10	0.028	ppbv	TO-15
m,p-Xylene	0.71	0.20	0.034	ppbv	TO-15
o-Xylene	0.32	0.20	0.017	ppbv	TO-15
Xylenes (total)	1.0	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)	26.1	0.48	0.26	ug/m3	TO-15
Benzene	1.9	0.64	0.038	ug/m3	TO-15
Carbon disulfide	1.6	0.62	0.075	ug/m3	TO-15
Chloroform	2.0	0.98	0.098	ug/m3	TO-15
Cyclohexane	0.55 J	0.69	0.076	ug/m3	TO-15
1,1-Dichloroethane	4.0	0.81	0.049	ug/m3	TO-15
Dichlorodifluoromethane	1.3	0.99	0.084	ug/m3	TO-15
Ethanol	5.3	0.94	0.41	ug/m3	TO-15
Ethylbenzene	0.87	0.87	0.065	ug/m3	TO-15
Ethyl Acetate	5.0	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene	2.3	0.98	0.15	ug/m3	TO-15
Heptane	1.6	0.82	0.074	ug/m3	TO-15
Hexane	1.4	0.70	0.039	ug/m3	TO-15
2-Hexanone	13	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol	0.86	0.49	0.16	ug/m3	TO-15
Methyl ethyl ketone	72.0	0.59	0.12	ug/m3	TO-15
Styrene	0.55 J	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane	3.1	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.7	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene	1.0	0.98	0.17	ug/m3	TO-15
Tertiary Butyl Alcohol	2.8	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene	1.9	0.27	0.21	ug/m3	TO-15
Toluene	2.1	0.75	0.053	ug/m3	TO-15
Trichlorofluoromethane	1.1	0.56	0.16	ug/m3	TO-15
m,p-Xylene	3.1	0.87	0.15	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		1.4	0.87	0.074	ug/m3	TO-15
Xylenes (total)		4.3	0.87	0.074	ug/m3	TO-15
JD36521-12	**TT-SB-02SV**					
Acetone (2-Propanone)		1.6	0.20	0.11	ppbv	TO-15
Benzene		2.4	0.20	0.012	ppbv	TO-15
Carbon disulfide		0.12 J	0.20	0.024	ppbv	TO-15
Chloroform		0.26	0.20	0.020	ppbv	TO-15
Cyclohexane		0.11 J	0.20	0.022	ppbv	TO-15
Dichlorodifluoromethane		0.19 J	0.20	0.017	ppbv	TO-15
Ethanol		1.2	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.19 J	0.20	0.015	ppbv	TO-15
Ethyl Acetate		1.1	0.20	0.038	ppbv	TO-15
4-Ethyltoluene		0.44	0.20	0.030	ppbv	TO-15
Heptane		0.12 J	0.20	0.018	ppbv	TO-15
Hexane		0.28	0.20	0.011	ppbv	TO-15
2-Hexanone		0.47	0.20	0.036	ppbv	TO-15
Isopropyl Alcohol		0.19 J	0.20	0.065	ppbv	TO-15
Methylene chloride		0.20	0.20	0.015	ppbv	TO-15
Methyl ethyl ketone		1.7	0.20	0.042	ppbv	TO-15
Styrene		0.20	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		0.21	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.40	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene		0.11 J	0.20	0.034	ppbv	TO-15
Tertiary Butyl Alcohol		0.24	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.43	0.040	0.031	ppbv	TO-15
Toluene		0.53	0.20	0.014	ppbv	TO-15
m,p-Xylene		0.67	0.20	0.034	ppbv	TO-15
o-Xylene		0.27	0.20	0.017	ppbv	TO-15
Xylenes (total)		0.94	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		3.8	0.48	0.26	ug/m3	TO-15
Benzene		7.7	0.64	0.038	ug/m3	TO-15
Carbon disulfide		0.37 J	0.62	0.075	ug/m3	TO-15
Chloroform		1.3	0.98	0.098	ug/m3	TO-15
Cyclohexane		0.38 J	0.69	0.076	ug/m3	TO-15
Dichlorodifluoromethane		0.94 J	0.99	0.084	ug/m3	TO-15
Ethanol		2.3	0.94	0.41	ug/m3	TO-15
Ethylbenzene		0.83 J	0.87	0.065	ug/m3	TO-15
Ethyl Acetate		4.0	0.72	0.14	ug/m3	TO-15
4-Ethyltoluene		2.2	0.98	0.15	ug/m3	TO-15
Heptane		0.49 J	0.82	0.074	ug/m3	TO-15
Hexane		0.99	0.70	0.039	ug/m3	TO-15
2-Hexanone		1.9	0.82	0.15	ug/m3	TO-15
Isopropyl Alcohol		0.47 J	0.49	0.16	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methylene chloride		0.69	0.69	0.052	ug/m3	TO-15
Methyl ethyl ketone		5.0	0.59	0.12	ug/m3	TO-15
Styrene		0.85	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane		1.1	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene		2.0	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.54 J	0.98	0.17	ug/m3	TO-15
Tertiary Butyl Alcohol		0.73	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene		2.9	0.27	0.21	ug/m3	TO-15
Toluene		2.0	0.75	0.053	ug/m3	TO-15
m,p-Xylene		2.9	0.87	0.15	ug/m3	TO-15
o-Xylene		1.2	0.87	0.074	ug/m3	TO-15
Xylenes (total)		4.1	0.87	0.074	ug/m3	TO-15
JD36521-13	**TT-SB-17SV**					
Acetone (2-Propanone)		2.0	0.20	0.11	ppbv	TO-15
Benzene		0.94	0.20	0.012	ppbv	TO-15
Carbon disulfide		1.3	0.20	0.024	ppbv	TO-15
Chloroform		5.0	0.20	0.020	ppbv	TO-15
Cyclohexane		0.60	0.20	0.022	ppbv	TO-15
1,1-Dichloroethane		1.6	0.20	0.012	ppbv	TO-15
Dichlorodifluoromethane		0.25	0.20	0.017	ppbv	TO-15
Ethanol		2.1	0.50	0.22	ppbv	TO-15
Ethylbenzene		0.33	0.20	0.015	ppbv	TO-15
4-Ethyltoluene		0.53	0.20	0.030	ppbv	TO-15
Heptane		0.23	0.20	0.018	ppbv	TO-15
Hexane		0.48	0.20	0.011	ppbv	TO-15
Isopropyl Alcohol		0.46	0.20	0.065	ppbv	TO-15
Methyl ethyl ketone		2.9	0.20	0.042	ppbv	TO-15
Propylene		3.0	0.50	0.016	ppbv	TO-15
Styrene		0.27	0.20	0.019	ppbv	TO-15
1,1,1-Trichloroethane		5.3	0.10	0.033	ppbv	TO-15
1,2,4-Trimethylbenzene		0.45	0.20	0.033	ppbv	TO-15
1,3,5-Trimethylbenzene		0.12 J	0.20	0.034	ppbv	TO-15
2,2,4-Trimethylpentane		0.37	0.20	0.022	ppbv	TO-15
Tertiary Butyl Alcohol		0.70	0.20	0.014	ppbv	TO-15
Tetrachloroethylene		0.75	0.040	0.031	ppbv	TO-15
Tetrahydrofuran		0.26	0.20	0.050	ppbv	TO-15
Toluene		1.4	0.20	0.014	ppbv	TO-15
Trichlorofluoromethane		0.16	0.10	0.028	ppbv	TO-15
m,p-Xylene		1.1	0.20	0.034	ppbv	TO-15
o-Xylene		0.43	0.20	0.017	ppbv	TO-15
Xylenes (total)		1.5	0.20	0.017	ppbv	TO-15
Acetone (2-Propanone)		4.8	0.48	0.26	ug/m3	TO-15
Benzene		3.0	0.64	0.038	ug/m3	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Carbon disulfide	4.0	0.62	0.075	ug/m3	TO-15
Chloroform	24	0.98	0.098	ug/m3	TO-15
Cyclohexane	2.1	0.69	0.076	ug/m3	TO-15
1,1-Dichloroethane	6.5	0.81	0.049	ug/m3	TO-15
Dichlorodifluoromethane	1.2	0.99	0.084	ug/m3	TO-15
Ethanol	4.0	0.94	0.41	ug/m3	TO-15
Ethylbenzene	1.4	0.87	0.065	ug/m3	TO-15
4-Ethyltoluene	2.6	0.98	0.15	ug/m3	TO-15
Heptane	0.94	0.82	0.074	ug/m3	TO-15
Hexane	1.7	0.70	0.039	ug/m3	TO-15
Isopropyl Alcohol	1.1	0.49	0.16	ug/m3	TO-15
Methyl ethyl ketone	8.6	0.59	0.12	ug/m3	TO-15
Propylene	5.2	0.86	0.027	ug/m3	TO-15
Styrene	1.1	0.85	0.081	ug/m3	TO-15
1,1,1-Trichloroethane	29	0.55	0.18	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.2	0.98	0.16	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.59 J	0.98	0.17	ug/m3	TO-15
2,2,4-Trimethylpentane	1.7	0.93	0.10	ug/m3	TO-15
Tertiary Butyl Alcohol	2.1	0.61	0.042	ug/m3	TO-15
Tetrachloroethylene	5.1	0.27	0.21	ug/m3	TO-15
Tetrahydrofuran	0.77	0.59	0.15	ug/m3	TO-15
Toluene	5.3	0.75	0.053	ug/m3	TO-15
Trichlorofluoromethane	0.90	0.56	0.16	ug/m3	TO-15
m,p-Xylene	4.8	0.87	0.15	ug/m3	TO-15
o-Xylene	1.9	0.87	0.074	ug/m3	TO-15
Xylenes (total)	6.5	0.87	0.074	ug/m3	TO-15
JD36521-14 TT-SB-21SV					
Acetone (2-Propanone)	5.2	0.36	0.20	ppbv	TO-15
Benzene	0.90	0.36	0.021	ppbv	TO-15
Chloromethane	0.36	0.36	0.027	ppbv	TO-15
Cyclohexane	3.1	0.36	0.039	ppbv	TO-15
Dichlorodifluoromethane	0.31 J	0.36	0.030	ppbv	TO-15
Ethanol	7.6	0.90	0.39	ppbv	TO-15
Ethylbenzene	0.096 J	0.36	0.027	ppbv	TO-15
Ethyl Acetate	8.3	0.36	0.067	ppbv	TO-15
Heptane	0.85	0.36	0.031	ppbv	TO-15
Hexane	2.2	0.36	0.019	ppbv	TO-15
Isopropyl Alcohol	0.74	0.36	0.12	ppbv	TO-15
Methyl ethyl ketone	1.0	0.36	0.075	ppbv	TO-15
Toluene	0.62	0.36	0.026	ppbv	TO-15
Trichlorofluoromethane	0.20	0.18	0.050	ppbv	TO-15
m,p-Xylene	0.30 J	0.36	0.061	ppbv	TO-15
Xylenes (total)	0.30 J	0.36	0.030	ppbv	TO-15

Summary of Hits

Job Number: JD36521
Account: Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Collected: 12/08/21

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Acetone (2-Propanone)	12	0.86	0.48	ug/m3	TO-15
Benzene	2.9	1.2	0.067	ug/m3	TO-15
Chloromethane	0.74	0.74	0.056	ug/m3	TO-15
Cyclohexane	11	1.2	0.13	ug/m3	TO-15
Dichlorodifluoromethane	1.5 J	1.8	0.15	ug/m3	TO-15
Ethanol	14	1.7	0.73	ug/m3	TO-15
Ethylbenzene	0.42 J	1.6	0.12	ug/m3	TO-15
Ethyl Acetate	30	1.3	0.24	ug/m3	TO-15
Heptane	3.5	1.5	0.13	ug/m3	TO-15
Hexane	7.8	1.3	0.067	ug/m3	TO-15
Isopropyl Alcohol	1.8	0.88	0.29	ug/m3	TO-15
Methyl ethyl ketone	2.9	1.1	0.22	ug/m3	TO-15
Toluene	2.3	1.4	0.098	ug/m3	TO-15
Trichlorofluoromethane	1.1	1.0	0.28	ug/m3	TO-15
m,p-Xylene	1.3 J	1.6	0.26	ug/m3	TO-15
Xylenes (total)	1.3 J	1.6	0.13	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TT-SB-33SV		
Lab Sample ID:	JD36521-1	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1363	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46819.D	1	12/14/21 22:21	DFT	n/a	n/a	V5W1936
Run #2	5W46840.D	1	12/15/21 17:26	DFT	n/a	n/a	V5W1937

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	20.7	0.20	0.11	ppbv		49.2	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	1.6	0.20	0.012	ppbv		5.1	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	25.7	0.20	0.024	ppbv		80.0	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.15	0.20	0.015	ppbv	J	0.31	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	108 [a]	2.0	0.22	ppbv		372 [a]	6.9	0.76	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.20	0.20	0.017	ppbv		0.99	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33SV		
Lab Sample ID:	JD36521-1	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1363	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.0	0.50	0.22	ppbv		3.8	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.015	ppbv		ND	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	4.2	0.20	0.030	ppbv		21	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	103 [a]	2.0	0.18	ppbv		422 [a]	8.2	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	21.8	0.20	0.011	ppbv		76.8	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.48	0.20	0.065	ppbv		1.2	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.20	0.015	ppbv		0.73	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	4.4	0.20	0.042	ppbv		13	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	34.1	0.50	0.016	ppbv		58.6	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.019	ppbv		ND	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.033	ppbv		ND	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.2	0.20	0.033	ppbv		11	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	3.3	0.20	0.034	ppbv		16	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.91	0.20	0.014	ppbv		2.8	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.41	0.040	0.031	ppbv		2.8	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	13.7	0.20	0.014	ppbv		51.6	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.10	0.028	ppbv		ND	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	21.0	0.20	0.034	ppbv		91.2	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	10.4	0.20	0.017	ppbv		45.2	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	31.4	0.20	0.017	ppbv		136	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%	105%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-33SV		
Lab Sample ID:	JD36521-1	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1363	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.1

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-32SV		
Lab Sample ID:	JD36521-2	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1112	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46820.D	1	12/14/21 23:16	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.2	0.20	0.11	ppbv		12	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.39	0.20	0.012	ppbv		1.2	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	1.9	0.20	0.024	ppbv		5.9	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	0.66	0.20	0.048	ppbv		1.7	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	2.0	0.20	0.020	ppbv		9.8	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.015	ppbv		1.2	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.24	0.040	0.024	ppbv		1.5	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.39	0.20	0.022	ppbv		1.3	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.28	0.20	0.012	ppbv		1.1	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.29	0.20	0.017	ppbv		1.4	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	0.14	0.040	0.022	ppbv		0.84	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-32SV
Lab Sample ID: JD36521-2
Matrix: AIR - Soil Vapor Comp. Summa ID: A1112
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.6	0.50	0.22	ppbv		3.0	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.27	0.20	0.015	ppbv		1.2	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.038	ppbv		4.3	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.55	0.20	0.030	ppbv		2.7	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.19	0.20	0.018	ppbv	J	0.78	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.32	0.20	0.011	ppbv		1.1	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.36	0.20	0.065	ppbv		0.88	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.25	0.20	0.015	ppbv		0.87	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.3	0.20	0.042	ppbv		6.8	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	9.9	0.50	0.016	ppbv		17	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.21	0.20	0.019	ppbv		0.89	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	3.9	0.10	0.033	ppbv		21	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.53	0.20	0.033	ppbv		2.6	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.15	0.20	0.034	ppbv	J	0.74	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.14	0.20	0.022	ppbv	J	0.65	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.2	0.20	0.014	ppbv		3.6	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.78	0.040	0.031	ppbv		5.3	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.12	0.20	0.050	ppbv	J	0.35	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.90	0.20	0.014	ppbv		3.4	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	0.13	0.040	0.019	ppbv		0.70	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.17	0.10	0.028	ppbv		0.96	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	1.1	0.20	0.034	ppbv		4.8	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.50	0.20	0.017	ppbv		2.2	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.6	0.20	0.017	ppbv		6.9	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-25SV
Lab Sample ID: JD36521-3
Matrix: AIR - Soil Vapor Comp. Summa ID: M139
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46821.D	1	12/15/21 00:11	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	23.9	0.20	0.11	ppbv		56.8	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.012	ppbv		0.70	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	0.51	0.20	0.024	ppbv		1.6	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.10	0.20	0.020	ppbv	J	0.49	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	2.3	0.20	0.022	ppbv		7.9	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.32	0.20	0.017	ppbv		1.6	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-25SV
Lab Sample ID: JD36521-3
Matrix: AIR - Soil Vapor Comp. Summa ID: M139
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	11.5	0.50	0.22	ppbv		21.7	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.14	0.20	0.015	ppbv	J	0.61	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.038	ppbv		8.3	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.20	0.20	0.030	ppbv		0.98	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.42	0.20	0.018	ppbv		1.7	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.46	0.20	0.011	ppbv		1.6	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	1.9	0.20	0.036	ppbv		7.8	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.6	0.20	0.065	ppbv		6.4	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.23	0.20	0.015	ppbv		0.80	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	23.8	0.20	0.042	ppbv		70.2	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	0.76	0.20	0.019	ppbv		2.7	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	6.3	0.50	0.016	ppbv		11	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.019	ppbv	J	0.60	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.033	ppbv		ND	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.19	0.20	0.033	ppbv	J	0.93	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.14	0.20	0.022	ppbv	J	0.65	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.92	0.20	0.014	ppbv		2.8	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.2	0.040	0.031	ppbv		8.1	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.46	0.20	0.014	ppbv		1.7	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	2.2	0.040	0.019	ppbv		12	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.18	0.10	0.028	ppbv		1.0	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.43	0.20	0.034	ppbv		1.9	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.21	0.20	0.017	ppbv		0.91	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	0.63	0.20	0.017	ppbv		2.7	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-24SV
Lab Sample ID: JD36521-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A1325
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46822.D	1	12/15/21 01:07	DFT	n/a	n/a	V5W1936
Run #2	5W46841.D	1	12/15/21 18:14	DFT	n/a	n/a	V5W1937

	Initial Volume
Run #1	400 ml
Run #2	40.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	31.9	0.20	0.11	ppbv		75.8	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.97	0.20	0.012	ppbv		3.1	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	131 [a]	2.0	0.24	ppbv		408 [a]	6.2	0.75	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.20	0.20	0.015	ppbv		0.41	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	16.4	0.20	0.022	ppbv		56.5	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.39	0.20	0.017	ppbv		1.9	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.16	0.20	0.0073	ppbv	J	0.63	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.5	0.040	0.012	ppbv		5.9	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-24SV
Lab Sample ID: JD36521-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A1325
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	5.6	0.50	0.22	ppbv		11	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.23	0.20	0.015	ppbv		1.0	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	2.9	0.20	0.038	ppbv		10	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.43	0.20	0.030	ppbv		2.1	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	0.16	0.10	0.019	ppbv		1.1	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	1.2	0.20	0.018	ppbv		4.9	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	1.5	0.20	0.011	ppbv		5.3	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	3.3	0.20	0.036	ppbv		13	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.50	0.20	0.065	ppbv		1.2	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.65	0.20	0.015	ppbv		2.3	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	31.5	0.20	0.042	ppbv		92.9	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.13	0.20	0.019	ppbv	J	0.55	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.033	ppbv		ND	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.33	0.20	0.033	ppbv		1.6	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	16.2	0.20	0.022	ppbv		75.7	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.4	0.20	0.014	ppbv		4.2	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.69	0.040	0.031	ppbv		4.7	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.73	0.20	0.014	ppbv		2.8	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.11	0.10	0.028	ppbv		0.62	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	0.34	0.040	0.022	ppbv		0.87	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.94	0.20	0.034	ppbv		4.1	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.40	0.20	0.017	ppbv		1.7	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.3	0.20	0.017	ppbv		5.6	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	95%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-24SV		
Lab Sample ID:	JD36521-4	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1325	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.4

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-39SV
Lab Sample ID: JD36521-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A743
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46823.D	1	12/15/21 02:03	DFT	n/a	n/a	V5W1936
Run #2	5W46842.D	1	12/15/21 19:02	DFT	n/a	n/a	V5W1937

	Initial Volume
Run #1	500 ml
Run #2	10.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	36.2	0.16	0.090	ppbv		86.0	0.38	0.21	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.037	ppbv		ND	0.35	0.082	ug/m3
71-43-2	78.11	Benzene	14.2	0.16	0.0095	ppbv		45.4	0.51	0.030	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.021	ppbv		ND	0.54	0.14	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.030	ppbv		ND	0.33	0.31	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.018	ppbv		ND	0.62	0.070	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.018	ppbv		ND	0.70	0.079	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.045	ppbv		ND	0.82	0.23	ug/m3
75-15-0	76.14	Carbon disulfide	153 [a]	8.0	0.94	ppbv		476 [a]	25	2.9	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.021	ppbv		ND	0.74	0.097	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.039	ppbv		ND	0.42	0.10	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.016	ppbv		ND	0.78	0.078	ug/m3
74-87-3	50.49	Chloromethane	0.13	0.16	0.012	ppbv	J	0.27	0.33	0.025	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.032	ppbv		ND	0.50	0.10	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.020	ppbv		ND	0.83	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.019	ppbv		ND	0.20	0.12	ug/m3
110-82-7	84.16	Cyclohexane	39.0 [a]	8.0	0.88	ppbv		134 [a]	28	3.0	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.0093	ppbv		ND	0.65	0.038	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	1.0	0.032	0.013	ppbv		4.0	0.13	0.052	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.014	ppbv		ND	0.61	0.11	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.017	ppbv		ND	0.65	0.069	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.015	ppbv		ND	0.74	0.069	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.042	ppbv		ND	0.58	0.15	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.35	0.16	0.013	ppbv		1.7	0.79	0.064	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.027	ppbv		ND	0.68	0.23	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	1.8	0.16	0.0058	ppbv		7.1	0.63	0.023	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.2	0.032	0.0094	ppbv		4.8	0.13	0.037	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.016	ppbv		ND	0.73	0.073	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.015	ppbv		ND	0.48	0.090	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.017	ppbv		ND	0.19	0.10	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.014	ppbv		ND	0.48	0.084	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.016	ppbv		ND	0.73	0.073	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-39SV
Lab Sample ID: JD36521-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A743
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	3.7	0.40	0.17	ppbv		7.0	0.75	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	0.66	0.16	0.012	ppbv		2.9	0.69	0.052	ug/m3
141-78-6	88	Ethyl Acetate	4.2	0.16	0.030	ppbv		15	0.58	0.11	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.024	ppbv		ND	0.79	0.12	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.014	ppbv		ND	0.61	0.11	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.015	ppbv		ND	0.56	0.10	ug/m3
142-82-5	100.2	Heptane	29.4	0.16	0.014	ppbv		120	0.66	0.057	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.036	ppbv		ND	0.77	0.38	ug/m3
110-54-3	86.18	Hexane	58.5 [a]	8.0	0.42	ppbv		206 [a]	28	1.5	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.029	ppbv		ND	0.65	0.12	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.56	0.16	0.052	ppbv		1.4	0.39	0.13	ug/m3
75-09-2	84.94	Methylene chloride	0.31	0.16	0.012	ppbv		1.1	0.56	0.042	ug/m3
78-93-3	72.11	Methyl ethyl ketone	27.7	0.16	0.034	ppbv		81.7	0.47	0.10	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.029	ppbv		ND	0.66	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.015	ppbv		ND	0.58	0.054	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.026	ppbv		ND	0.66	0.11	ug/m3
115-07-1	42	Propylene	ND	0.40	0.013	ppbv		ND	0.69	0.022	ug/m3
100-42-5	104.1	Styrene	0.10	0.16	0.015	ppbv	J	0.43	0.68	0.064	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.027	ppbv		ND	0.44	0.15	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.022	ppbv		ND	0.55	0.15	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.024	ppbv		ND	0.44	0.13	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.071	ppbv		ND	0.59	0.53	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.25	0.16	0.026	ppbv		1.2	0.79	0.13	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.093	0.16	0.027	ppbv	J	0.46	0.79	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	12.5	0.16	0.017	ppbv		58.4	0.75	0.079	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.0	0.16	0.011	ppbv		3.0	0.49	0.033	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.74	0.032	0.025	ppbv		5.0	0.22	0.17	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.040	ppbv		ND	0.47	0.12	ug/m3
108-88-3	92.14	Toluene	3.0	0.16	0.012	ppbv		11	0.60	0.045	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.081	0.080	0.022	ppbv		0.46	0.45	0.12	ug/m3
75-01-4	62.5	Vinyl chloride	37.3	0.032	0.018	ppbv		95.3	0.082	0.046	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.027	ppbv		ND	0.56	0.095	ug/m3
	106.2	m,p-Xylene	1.5	0.16	0.027	ppbv		6.5	0.69	0.12	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.014	ppbv		ND	0.69	0.061	ug/m3
1330-20-7	106.2	Xylenes (total)	1.5	0.16	0.014	ppbv		6.5	0.69	0.061	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	91%	65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-39SV		
Lab Sample ID:	JD36521-5	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A743	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

4.5

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-37SV
Lab Sample ID: JD36521-6
Matrix: AIR - Soil Vapor Comp. Summa ID: M011
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46824.D	1	12/15/21 02:58	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.0	0.20	0.11	ppbv		12	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	1.3	0.20	0.012	ppbv		4.2	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	0.78	0.20	0.024	ppbv		2.4	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.16	0.20	0.020	ppbv	J	0.78	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	0.24	0.20	0.052	ppbv		0.86	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.017	ppbv		2.1	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-37SV
Lab Sample ID: JD36521-6
Matrix: AIR - Soil Vapor Comp. Summa ID: M011
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

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VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.6	0.50	0.22	ppbv		4.9	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.30	0.20	0.015	ppbv		1.3	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	5.5	0.20	0.038	ppbv		20	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.56	0.20	0.030	ppbv		2.8	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	0.60	0.10	0.017	ppbv		4.6	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.30	0.20	0.018	ppbv		1.2	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	0.15	0.090	0.046	ppbv		1.6	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.46	0.20	0.011	ppbv		1.6	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.60	0.20	0.065	ppbv		1.5	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.39	0.20	0.015	ppbv		1.4	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	5.4	0.20	0.042	ppbv		16	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.17	0.20	0.019	ppbv	J	0.72	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.033	ppbv		ND	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.13	0.10	0.089	ppbv		0.97	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.47	0.20	0.033	ppbv		2.3	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.16	0.20	0.034	ppbv	J	0.79	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.20	0.022	ppbv	J	0.56	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.1	0.20	0.014	ppbv		3.3	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.6	0.040	0.031	ppbv		11	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	4.7	0.20	0.050	ppbv		14	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	1.3	0.20	0.014	ppbv		4.9	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	0.27	0.040	0.019	ppbv		1.5	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.5	0.10	0.028	ppbv		20	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	1.2	0.20	0.034	ppbv		5.2	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.43	0.20	0.017	ppbv		1.9	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.6	0.20	0.017	ppbv		6.9	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

4.7

Client Sample ID:	TT-SB-A		
Lab Sample ID:	JD36521-7	**Date Sampled:**	12/08/21
Matrix:	AIR - Ambient Air Comp. Summa ID: M163	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46825.D	1	12/15/21 03:55	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	1.8	0.16	0.090	ppbv		4.3	0.38	0.21	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.037	ppbv		ND	0.35	0.082	ug/m3
71-43-2	78.11	Benzene	0.24	0.16	0.0095	ppbv		0.77	0.51	0.030	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.021	ppbv		ND	0.54	0.14	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.030	ppbv		ND	0.33	0.31	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.018	ppbv		ND	0.62	0.070	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.018	ppbv		ND	0.70	0.079	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.045	ppbv		ND	0.82	0.23	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.019	ppbv		ND	0.50	0.059	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.021	ppbv		ND	0.74	0.097	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.039	ppbv		ND	0.42	0.10	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.016	ppbv		ND	0.78	0.078	ug/m3
74-87-3	50.49	Chloromethane	0.42	0.16	0.012	ppbv		0.87	0.33	0.025	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.032	ppbv		ND	0.50	0.10	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.020	ppbv		ND	0.83	0.10	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.019	ppbv		ND	0.20	0.12	ug/m3
110-82-7	84.16	Cyclohexane	0.079	0.16	0.018	ppbv	J	0.27	0.55	0.062	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.0093	ppbv		ND	0.65	0.038	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.013	ppbv		ND	0.13	0.052	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.014	ppbv		ND	0.61	0.11	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.017	ppbv		ND	0.65	0.069	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.015	ppbv		ND	0.74	0.069	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.042	ppbv		ND	0.58	0.15	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.36	0.16	0.013	ppbv		1.8	0.79	0.064	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.027	ppbv		ND	0.68	0.23	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.0058	ppbv		ND	0.63	0.023	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.0094	ppbv		ND	0.13	0.037	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.016	ppbv		ND	0.73	0.073	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.015	ppbv		ND	0.48	0.090	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.017	ppbv		ND	0.19	0.10	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.014	ppbv		ND	0.48	0.084	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.016	ppbv		ND	0.73	0.073	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-A
Lab Sample ID: JD36521-7
Matrix: AIR - Ambient Air Comp. Summa ID: M163
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

4.7

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	5.9	0.40	0.17	ppbv		11	0.75	0.32	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.012	ppbv		ND	0.69	0.052	ug/m3
141-78-6	88	Ethyl Acetate	18.1	0.16	0.030	ppbv		65.1	0.58	0.11	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.024	ppbv		ND	0.79	0.12	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.014	ppbv		ND	0.61	0.11	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.015	ppbv		ND	0.56	0.10	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.014	ppbv		ND	0.66	0.057	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.036	ppbv		ND	0.77	0.38	ug/m3
110-54-3	86.18	Hexane	0.14	0.16	0.0085	ppbv	J	0.49	0.56	0.030	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.029	ppbv		ND	0.65	0.12	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.89	0.16	0.052	ppbv		2.2	0.39	0.13	ug/m3
75-09-2	84.94	Methylene chloride	0.24	0.16	0.012	ppbv		0.83	0.56	0.042	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.14	0.16	0.034	ppbv	J	0.41	0.47	0.10	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.029	ppbv		ND	0.66	0.12	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.015	ppbv		ND	0.58	0.054	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.026	ppbv		ND	0.66	0.11	ug/m3
115-07-1	42	Propylene	ND	0.40	0.013	ppbv		ND	0.69	0.022	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.015	ppbv		ND	0.68	0.064	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.027	ppbv		ND	0.44	0.15	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.022	ppbv		ND	0.55	0.15	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.024	ppbv		ND	0.44	0.13	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.071	ppbv		ND	0.59	0.53	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.026	ppbv		ND	0.79	0.13	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.027	ppbv		ND	0.79	0.13	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.093	0.16	0.017	ppbv	J	0.43	0.75	0.079	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.011	ppbv		ND	0.49	0.033	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.053	0.032	0.025	ppbv		0.36	0.22	0.17	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.040	ppbv		ND	0.47	0.12	ug/m3
108-88-3	92.14	Toluene	0.40	0.16	0.012	ppbv		1.5	0.60	0.045	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.080	0.022	ppbv		1.1	0.45	0.12	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.018	ppbv		ND	0.082	0.046	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.027	ppbv		ND	0.56	0.095	ug/m3
	106.2	m,p-Xylene	0.21	0.16	0.027	ppbv		0.91	0.69	0.12	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.014	ppbv		ND	0.69	0.061	ug/m3
1330-20-7	106.2	Xylenes (total)	0.21	0.16	0.014	ppbv		0.91	0.69	0.061	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-19SV		
Lab Sample ID:	JD36521-8	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1364	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46826.D	1	12/15/21 04:50	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	16.7	0.20	0.11	ppbv		39.7	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	ND	0.20	0.012	ppbv		ND	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	0.11	0.20	0.024	ppbv	J	0.34	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.24	0.20	0.017	ppbv		1.2	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-19SV
Lab Sample ID: JD36521-8
Matrix: AIR - Soil Vapor Comp. Summa ID: A1364
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.1	0.50	0.22	ppbv		7.7	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.12	0.20	0.015	ppbv	J	0.52	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.038	ppbv		4.0	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.29	0.20	0.030	ppbv		1.4	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	0.038	0.10	0.017	ppbv	J	0.29	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.50	0.20	0.018	ppbv		2.0	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.27	0.20	0.011	ppbv		0.95	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	4.7	0.20	0.036	ppbv		19	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.32	0.20	0.065	ppbv		0.79	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.15	0.20	0.015	ppbv	J	0.52	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	36.4	0.20	0.042	ppbv		107	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	5.9	0.50	0.016	ppbv		10	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.18	0.20	0.019	ppbv	J	0.77	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.89	0.10	0.033	ppbv		4.9	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.26	0.20	0.033	ppbv		1.3	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.94	0.20	0.014	ppbv		2.8	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.30	0.040	0.031	ppbv		2.0	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.40	0.20	0.014	ppbv		1.5	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.11	0.10	0.028	ppbv		0.62	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.50	0.20	0.034	ppbv		2.2	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.20	0.20	0.017	ppbv		0.87	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	0.70	0.20	0.017	ppbv		3.0	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-14SV		
Lab Sample ID:	JD36521-9	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1361	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46827.D	1	12/15/21 05:45	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	20.0	0.20	0.11	ppbv		47.5	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.73	0.20	0.012	ppbv		2.3	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.18	0.20	0.020	ppbv	J	0.88	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.15	0.20	0.012	ppbv	J	0.61	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	0.30	0.20	0.052	ppbv		1.1	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.25	0.20	0.017	ppbv		1.2	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-14SV
Lab Sample ID: JD36521-9
Matrix: AIR - Soil Vapor Comp. Summa ID: A1361
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

4.9

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	6.2	0.50	0.22	ppbv		12	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.32	0.20	0.015	ppbv		1.4	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.038	ppbv		4.0	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.52	0.20	0.030	ppbv		2.6	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.87	0.20	0.018	ppbv		3.6	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.71	0.20	0.011	ppbv		2.5	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.20	0.065	ppbv		2.7	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	40.2	0.20	0.042	ppbv		119	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	9.6	0.50	0.016	ppbv		16	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.14	0.20	0.019	ppbv	J	0.60	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.24	0.10	0.033	ppbv		1.3	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.43	0.20	0.033	ppbv		2.1	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.13	0.20	0.034	ppbv	J	0.64	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.23	0.20	0.022	ppbv		1.1	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	2.9	0.20	0.014	ppbv		8.8	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.85	0.040	0.031	ppbv		5.8	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.89	0.20	0.014	ppbv		3.4	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.097	0.10	0.028	ppbv	J	0.55	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	1.1	0.20	0.034	ppbv		4.8	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.47	0.20	0.017	ppbv		2.0	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.6	0.20	0.017	ppbv		6.9	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-16SV		
Lab Sample ID:	JD36521-10	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1359	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46829.D	1	12/15/21 07:33	DFT	n/a	n/a	V5W1936
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	17.5	0.20	0.11	ppbv		41.6	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	1.0	0.20	0.012	ppbv		3.2	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	5.5	0.20	0.024	ppbv		17	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.35	0.20	0.020	ppbv		1.7	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	0.096	0.20	0.015	ppbv	J	0.20	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.55	0.20	0.022	ppbv		1.9	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.32	0.20	0.017	ppbv		1.6	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-16SV
Lab Sample ID: JD36521-10
Matrix: AIR - Soil Vapor Comp. Summa ID: A1359
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	4.1	0.50	0.22	ppbv		7.7	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.22	0.20	0.015	ppbv		0.96	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.20	0.038	ppbv		4.3	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.34	0.20	0.030	ppbv		1.7	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.89	0.20	0.018	ppbv		3.6	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	1.2	0.20	0.011	ppbv		4.2	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	5.5	0.20	0.036	ppbv		22	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.38	0.20	0.065	ppbv		0.93	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	41.1	0.20	0.042	ppbv		121	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	15.8	0.50	0.016	ppbv		27.1	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.22	0.20	0.019	ppbv		0.94	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.63	0.10	0.033	ppbv		3.4	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.27	0.20	0.033	ppbv		1.3	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.31	0.20	0.022	ppbv		1.4	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.5	0.20	0.014	ppbv		4.5	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.85	0.040	0.031	ppbv		5.8	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	1.3	0.20	0.014	ppbv		4.9	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	0.19	0.040	0.019	ppbv		1.0	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.10	0.028	ppbv		1.3	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.76	0.20	0.034	ppbv		3.3	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.31	0.20	0.017	ppbv		1.3	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.20	0.017	ppbv		4.8	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-36SV		
Lab Sample ID:	JD36521-11	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1358	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46843.D	1	12/15/21 19:56	DFT	n/a	n/a	V5W1937
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	11.0	0.20	0.11	ppbv		26.1	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.59	0.20	0.012	ppbv		1.9	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	0.51	0.20	0.024	ppbv		1.6	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.40	0.20	0.020	ppbv		2.0	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.16	0.20	0.022	ppbv	J	0.55	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	0.98	0.20	0.012	ppbv		4.0	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.27	0.20	0.017	ppbv		1.3	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-36SV
Lab Sample ID: JD36521-11
Matrix: AIR - Soil Vapor Comp. Summa ID: A1358
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.8	0.50	0.22	ppbv		5.3	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	0.20	0.015	ppbv		0.87	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.4	0.20	0.038	ppbv		5.0	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.47	0.20	0.030	ppbv		2.3	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.38	0.20	0.018	ppbv		1.6	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.40	0.20	0.011	ppbv		1.4	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	3.3	0.20	0.036	ppbv		13	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.35	0.20	0.065	ppbv		0.86	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	24.4	0.20	0.042	ppbv		72.0	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.13	0.20	0.019	ppbv	J	0.55	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.57	0.10	0.033	ppbv		3.1	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.54	0.20	0.033	ppbv		2.7	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.21	0.20	0.034	ppbv		1.0	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.94	0.20	0.014	ppbv		2.8	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.28	0.040	0.031	ppbv		1.9	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.55	0.20	0.014	ppbv		2.1	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.10	0.028	ppbv		1.1	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.71	0.20	0.034	ppbv		3.1	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.32	0.20	0.017	ppbv		1.4	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.20	0.017	ppbv		4.3	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-02SV
Lab Sample ID: JD36521-12
Matrix: AIR - Soil Vapor Comp. Summa ID: A1365
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46844.D	1	12/15/21 20:50	DFT	n/a	n/a	V5W1937
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	1.6	0.20	0.11	ppbv		3.8	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	2.4	0.20	0.012	ppbv		7.7	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	0.12	0.20	0.024	ppbv	J	0.37	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	0.26	0.20	0.020	ppbv		1.3	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.11	0.20	0.022	ppbv	J	0.38	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.19	0.20	0.017	ppbv	J	0.94	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-02SV
Lab Sample ID: JD36521-12
Matrix: AIR - Soil Vapor Comp. Summa ID: A1365
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.2	0.50	0.22	ppbv		2.3	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.015	ppbv	J	0.83	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.038	ppbv		4.0	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.44	0.20	0.030	ppbv		2.2	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.12	0.20	0.018	ppbv	J	0.49	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.28	0.20	0.011	ppbv		0.99	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	0.47	0.20	0.036	ppbv		1.9	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.19	0.20	0.065	ppbv	J	0.47	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.015	ppbv		0.69	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.7	0.20	0.042	ppbv		5.0	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	ND	0.50	0.016	ppbv		ND	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.20	0.20	0.019	ppbv		0.85	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.21	0.10	0.033	ppbv		1.1	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.40	0.20	0.033	ppbv		2.0	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.11	0.20	0.034	ppbv	J	0.54	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.24	0.20	0.014	ppbv		0.73	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.43	0.040	0.031	ppbv		2.9	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	0.53	0.20	0.014	ppbv		2.0	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.10	0.028	ppbv		ND	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	0.67	0.20	0.034	ppbv		2.9	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.27	0.20	0.017	ppbv		1.2	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	0.94	0.20	0.017	ppbv		4.1	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-17SV		
Lab Sample ID:	JD36521-13	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1362	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46846.D	1	12/15/21 22:40	DFT	n/a	n/a	V5W1937
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.0	0.20	0.11	ppbv		4.8	0.48	0.26	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	0.10	ug/m3
71-43-2	78.11	Benzene	0.94	0.20	0.012	ppbv		3.0	0.64	0.038	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.027	ppbv		ND	0.67	0.18	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.037	ppbv		ND	0.41	0.38	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	0.085	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	0.096	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	0.29	ug/m3
75-15-0	76.14	Carbon disulfide	1.3	0.20	0.024	ppbv		4.0	0.62	0.075	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	0.12	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	0.13	ug/m3
67-66-3	119.4	Chloroform	5.0	0.20	0.020	ppbv		24	0.98	0.098	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	0.031	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	0.13	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	0.13	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.024	ppbv		ND	0.25	0.15	ug/m3
110-82-7	84.16	Cyclohexane	0.60	0.20	0.022	ppbv		2.1	0.69	0.076	ug/m3
75-34-3	98.96	1,1-Dichloroethane	1.6	0.20	0.012	ppbv		6.5	0.81	0.049	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.017	ppbv		ND	0.16	0.067	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.018	ppbv		ND	0.77	0.14	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	0.085	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	0.088	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	0.19	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.25	0.20	0.017	ppbv		1.2	0.99	0.084	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.033	ppbv		ND	0.85	0.28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	0.029	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.012	ppbv		ND	0.16	0.048	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.019	ppbv		ND	0.60	0.11	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.022	ppbv		ND	0.24	0.13	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.018	ppbv		ND	0.60	0.11	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	0.091	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-17SV
Lab Sample ID: JD36521-13
Matrix: AIR - Soil Vapor Comp. Summa ID: A1362
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.1	0.50	0.22	ppbv		4.0	0.94	0.41	ug/m3
100-41-4	106.2	Ethylbenzene	0.33	0.20	0.015	ppbv		1.4	0.87	0.065	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	0.14	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.53	0.20	0.030	ppbv		2.6	0.98	0.15	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.017	ppbv		ND	0.77	0.13	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.019	ppbv		ND	0.70	0.13	ug/m3
142-82-5	100.2	Heptane	0.23	0.20	0.018	ppbv		0.94	0.82	0.074	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.046	ppbv		ND	0.96	0.49	ug/m3
110-54-3	86.18	Hexane	0.48	0.20	0.011	ppbv		1.7	0.70	0.039	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.46	0.20	0.065	ppbv		1.1	0.49	0.16	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	0.052	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.9	0.20	0.042	ppbv		8.6	0.59	0.12	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	0.15	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	0.069	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	0.14	ug/m3
115-07-1	42	Propylene	3.0	0.50	0.016	ppbv		5.2	0.86	0.027	ug/m3
100-42-5	104.1	Styrene	0.27	0.20	0.019	ppbv		1.1	0.85	0.081	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	5.3	0.10	0.033	ppbv		29	0.55	0.18	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.027	ppbv		ND	0.69	0.19	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.030	ppbv		ND	0.55	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.089	ppbv		ND	0.74	0.66	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.45	0.20	0.033	ppbv		2.2	0.98	0.16	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.12	0.20	0.034	ppbv	J	0.59	0.98	0.17	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.37	0.20	0.022	ppbv		1.7	0.93	0.10	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.70	0.20	0.014	ppbv		2.1	0.61	0.042	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.75	0.040	0.031	ppbv		5.1	0.27	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.26	0.20	0.050	ppbv		0.77	0.59	0.15	ug/m3
108-88-3	92.14	Toluene	1.4	0.20	0.014	ppbv		5.3	0.75	0.053	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.16	0.10	0.028	ppbv		0.90	0.56	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.022	ppbv		ND	0.10	0.056	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	0.12	ug/m3
	106.2	m,p-Xylene	1.1	0.20	0.034	ppbv		4.8	0.87	0.15	ug/m3
95-47-6	106.2	o-Xylene	0.43	0.20	0.017	ppbv		1.9	0.87	0.074	ug/m3
1330-20-7	106.2	Xylenes (total)	1.5	0.20	0.017	ppbv		6.5	0.87	0.074	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TT-SB-21SV		
Lab Sample ID:	JD36521-14	**Date Sampled:**	12/08/21
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1357	**Date Received:**	12/09/21
Method:	TO-15	**Percent Solids:**	n/a
Project:	2nd Avenue and 33-39th Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W46847.D	3.58	12/15/21 23:42	DFT	n/a	n/a	V5W1937
Run #2							

	Initial Volume
Run #1	800 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.2	0.36	0.20	ppbv		12	0.86	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.36	0.083	ppbv		ND	0.80	0.18	ug/m3
71-43-2	78.11	Benzene	0.90	0.36	0.021	ppbv		2.9	1.2	0.067	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.18	0.048	ppbv		ND	1.2	0.32	ug/m3
75-25-2	252.8	Bromoform	ND	0.072	0.067	ppbv		ND	0.74	0.69	ug/m3
74-83-9	94.94	Bromomethane	ND	0.36	0.039	ppbv		ND	1.4	0.15	ug/m3
593-60-2	106.9	Bromoethene	ND	0.36	0.039	ppbv		ND	1.6	0.17	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.36	0.10	ppbv		ND	1.9	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.36	0.042	ppbv		ND	1.1	0.13	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.36	0.047	ppbv		ND	1.7	0.22	ug/m3
75-00-3	64.52	Chloroethane	ND	0.36	0.087	ppbv		ND	0.95	0.23	ug/m3
67-66-3	119.4	Chloroform	ND	0.36	0.036	ppbv		ND	1.8	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.36	0.36	0.027	ppbv		0.74	0.74	0.056	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.36	0.071	ppbv		ND	1.1	0.22	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.36	0.045	ppbv		ND	1.9	0.23	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.072	0.042	ppbv		ND	0.45	0.26	ug/m3
110-82-7	84.16	Cyclohexane	3.1	0.36	0.039	ppbv		11	1.2	0.13	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.36	0.021	ppbv		ND	1.5	0.085	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.072	0.030	ppbv		ND	0.29	0.12	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.18	0.032	ppbv		ND	1.4	0.25	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.36	0.037	ppbv		ND	1.5	0.15	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.36	0.034	ppbv		ND	1.7	0.16	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.36	0.093	ppbv		ND	1.3	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.31	0.36	0.030	ppbv	J	1.5	1.8	0.15	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.18	0.060	ppbv		ND	1.5	0.51	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.36	0.013	ppbv		ND	1.4	0.052	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.072	0.021	ppbv		ND	0.29	0.083	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.36	0.035	ppbv		ND	1.6	0.16	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.18	0.034	ppbv		ND	1.1	0.20	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.072	0.039	ppbv		ND	0.43	0.23	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.18	0.031	ppbv		ND	1.1	0.19	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.36	0.035	ppbv		ND	1.6	0.16	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TT-SB-21SV
Lab Sample ID: JD36521-14
Matrix: AIR - Soil Vapor Comp. Summa ID: A1357
Method: TO-15
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY

Date Sampled: 12/08/21
Date Received: 12/09/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	7.6	0.90	0.39	ppbv		14	1.7	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.096	0.36	0.027	ppbv	J	0.42	1.6	0.12	ug/m3
141-78-6	88	Ethyl Acetate	8.3	0.36	0.067	ppbv		30	1.3	0.24	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.36	0.053	ppbv		ND	1.8	0.26	ug/m3
76-13-1	187.4	Freon 113	ND	0.18	0.031	ppbv		ND	1.4	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.18	0.034	ppbv		ND	1.3	0.24	ug/m3
142-82-5	100.2	Heptane	0.85	0.36	0.031	ppbv		3.5	1.5	0.13	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.16	0.082	ppbv		ND	1.7	0.87	ug/m3
110-54-3	86.18	Hexane	2.2	0.36	0.019	ppbv		7.8	1.3	0.067	ug/m3
591-78-6	100	2-Hexanone	ND	0.36	0.065	ppbv		ND	1.5	0.27	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.74	0.36	0.12	ppbv		1.8	0.88	0.29	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.36	0.026	ppbv		ND	1.3	0.090	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.0	0.36	0.075	ppbv		2.9	1.1	0.22	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.36	0.064	ppbv		ND	1.5	0.26	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.36	0.034	ppbv		ND	1.3	0.12	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.36	0.058	ppbv		ND	1.5	0.24	ug/m3
115-07-1	42	Propylene	ND	0.90	0.028	ppbv		ND	1.5	0.048	ug/m3
100-42-5	104.1	Styrene	ND	0.36	0.034	ppbv		ND	1.5	0.14	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.18	0.059	ppbv		ND	0.98	0.32	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.18	0.049	ppbv		ND	1.2	0.34	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.18	0.054	ppbv		ND	0.98	0.29	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.18	0.16	ppbv		ND	1.3	1.2	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.36	0.059	ppbv		ND	1.8	0.29	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.36	0.060	ppbv		ND	1.8	0.29	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.36	0.039	ppbv		ND	1.7	0.18	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.36	0.025	ppbv		ND	1.1	0.076	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.072	0.055	ppbv		ND	0.49	0.37	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.36	0.090	ppbv		ND	1.1	0.27	ug/m3
108-88-3	92.14	Toluene	0.62	0.36	0.026	ppbv		2.3	1.4	0.098	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.072	0.034	ppbv		ND	0.39	0.18	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.18	0.050	ppbv		1.1	1.0	0.28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.072	0.040	ppbv		ND	0.18	0.10	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.36	0.061	ppbv		ND	1.3	0.21	ug/m3
	106.2	m,p-Xylene	0.30	0.36	0.061	ppbv	J	1.3	1.6	0.26	ug/m3
95-47-6	106.2	o-Xylene	ND	0.36	0.030	ppbv		ND	1.6	0.13	ug/m3
1330-20-7	106.2	Xylenes (total)	0.30	0.36	0.030	ppbv	J	1.3	1.6	0.13	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

SGS

AIR

AIR CHAIN OF CUSTODY

PAGE 1 OF 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #	Bottle Order Control #
SGS Quote #	SGS Job # JD 36521

Client / Reporting Information

Company Name: TETRA TECH
Address: 6 CENTURY DR
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CONTAGALLO E-mail: ROBERT.CONTAGALLO@
Phone #: (973) 630-4045 Fax #:
Sampler(s) Name(s): A. VALLI & CHRIS BEERS

Project Information

Project Name: 2ND AVE & 3RD St
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmoshpheric Pressure (Inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis: VTO 15 NYSVLL

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO 15 NYSVLL			
1	TT-SB-33SV	SV	A1363	6L	FC591	12/08/21	0727 1450	-24	36	AV	12/08/21	1450	-3	43	AV	✓			FC09
2	TT-SB-32SV	SV	A1112	6L	FC715	12/08/21	0730	-30	36	AV	12/08/21	1453	-5	43	AV	✓			FC71
3	TT-SB-25SV	SV	M139	6L	FC707	12/08/21	0747	-28	36	AV	12/08/21	1457	-4	43	AV	✓			
4	TT-SB-24SV	SV	A1325	6L	FC928	12/08/21	0753	-28	36	AV	12/08/21	1500	-4	43	AV	✓			
5	TT-SB-39SV	SV	A743	6L	MC055	12/08/21	0844	-30	38	AV	12/08/21	1552	-3	40	AV	✓			
6	TT-SB-37SV	SV	M011	6L	MC269	12/08/21	0852	-29	38	AV	12/08/21	1556	-4	40	AV	✓			
7	TT-SB-A	A	M163	6L	FC828	12/8/21	0757	-30	37	AV	12/08/21	1626	-4	40	AV	✓			
8	TT-SB-19SV	SV	A1364	6L	FC421	12/8/21	0804	-30	37	AV	12/08/21	1629	-4	40	AV	✓			
9	TT-SB-14SV	SV	A1361	6L	FC610	12/8/21	0829	-30	37	AV	12/08/21	1632	-4	40	AV	✓			
10	TT-SB-16SV	SV	A1359	6L	MC282	12/08/21	0820	-28	37	AV	12/08/21	1649	-4	40	AV	✓			

SUMMA

Turnaround Time (Business days)

- Standard - 15 Days
- 10 Day
- 5 Day
- 3 Day
- 2 Day
- 1 Day
- Other

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: 12/09/21 1220	Received By: 1	Relinquished By: 2	Date Time: 12/9/21 17:33	Received By: 2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.1

JD36521: Chain of Custody
Page 1 of 4

AIR CHAIN OF CUSTODY

PAGE 2 OF 2

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: JD36521

Client / Reporting Information

Company Name: TETRA TECH
Address: 6 CENTURY DR.
City: PARSIPPANY State: NJ Zip: 07954
Project Contact: BOB CANTAGALLO E-mail: ROBERT.CANTAGALLO@TETRATECH.COM
Phone #: (973) 630-4045 Fax #:

Project Information

Project Name: 2ND AVE & 33RD
Street:
City: BROOKLYN State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmoshpheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Sampler(s) Name(s): ALEX VALI & CHRIS BEERS

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: VTO IS NYSVLL				
11	TT-SB-36SV	SV	A1358	6L	MC189	12/08/21	0855	-30	37	AV	12/08/21	1656	-4	40	AV	✓				
12	TT-SB-02SV	SV	A1365	6L	MC254	12/08/21	0910	-30	37	AV	12/08/21	1700	-5	40	AV	✓				
13	TT-SB-17SV	SV	A1362	6L	FC[illegible]	12/02/21	0813	-30	37	AV	12/08/21	1739	-4	40	AV	✓				FC179
14	TT-SB-21SV	SV	A1357	6L	FC917	12/02/21	0738	-30	30	AV	12/08/21	1746	-5	40	AV	✓				

Turnaround Time (Business days)

Standard - 15 Days
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

CANISTER/FC (A1357/FC917) DOESN'T APPEAR TO BE ACTING PROPERLY.
FC179 - READS 4" HIGHER THAN ACTUAL
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory: 1	Date Time: 12/09/21 1230	Received By: 1	Relinquished By: 2	Date Time: 12/9/21 1733	Received By: 2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.1

SGS

AIR SAMPLING EQUIPMENT RETURN FORM

CLIENT: Tetra Tech

PROJECT: 2nd Ave & 3RD St.

CONTROL#

JOB # 30 36521

ADDITIONAL SUMMA CANISTERS

1ST A1340

ADDITIONAL CONTROLLERS

FC730

RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
1 SGS	12/19-2 17:33	2 Jemin Patel	
RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
3		4	
CUSTODY SEAL #'S:		# OF BOXES OR PIECES IN DELIVERY	

NOTES:

SM086-03
Pub date: 3/12/18

5.1

SGS Sample Receipt Summary

Job Number: JD36521 **Client:** TETRA TECH **Project:** 2ND AVENUE AND 33-39TH STREET, BROOKL

Date / Time Received: 12/9/2021 5:33:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

5.1

JD36521: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JD36521
Account: TTNJP Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Received: 12/09/21

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1363	6	29.4	12/03/21	MJ	CP11430	5W46399.D	JD36521-1	12/14/21	DFT	1			1
A1112	6	29.4	12/03/21	MJ	CP11433	6W23222.D	JD36521-2	12/14/21	DFT	3			1
M139	6	29.4	12/03/21	MJ	CP11424	5W46322.D	JD36521-3	12/14/21	DFT	5			1
A1325	6	29.4	12/03/21	MJ	CP11406	2W55993.D	JD36521-4	12/14/21	DFT	4			1
A743	6	29.4	12/03/21	MJ	CP11399	2W55956.D	JD36521-5	12/13/21	SG	1			1
M011	6	29.4	12/03/21	MJ	CP11417	5W46171.D	JD36521-6	12/14/21	DFT	2			1
M163	6	29.4	12/07/21	MJ	CP11433	6W23222.D	JD36521-7	12/13/21	SG	1.5			1
A1364	6	29.4	12/03/21	MJ	CP11430	5W46399.D	JD36521-8	12/14/21	DFT	2			1
A1361	6	29.4	12/03/21	MJ	CP11430	5W46399.D	JD36521-9	12/14/21	DFT	2.5			1
A1359	6	29.4	12/03/21	MJ	CP11430	5W46399.D	JD36521-10	12/14/21	DFT	1			1
A1358	6	29.4	12/03/21	MJ	CP11428	5W46401.D	JD36521-11	12/14/21	DFT	0			1
A1365	6	29.4	12/03/21	MJ	CP11422	5W46318.D	JD36521-12	12/14/21	DFT	3			1
A1362	6	29.4	12/03/21	MJ	CP11430	5W46399.D	JD36521-13	12/14/21	DFT	0			1
A1357	6	29.4	12/03/21	MJ	CP11428	5W46401.D	JD36521-14	12/14/21	DFT	21		1	3.58

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC179	12/03/21	MJ	10.9	8	12/20/21	MJ	11.4	4.5	Flow Controller
FC421	12/03/21	MJ	10.8	8	12/20/21	MJ	10.9	0.9	Flow Controller
FC591	12/03/21	MJ	10.7	8	12/20/21	MJ	13	19.4	Flow Controller
FC610	12/03/21	MJ	10.9	8	12/20/21	MJ	0	200*	Flow Controller
FC707	12/03/21	MJ	10.9	8	12/20/21	MJ	11.3	3.6	Flow Controller
FC713	12/03/21	MJ	10.9	8	12/20/21	MJ	12.3	12.1	Flow Controller
FC730	12/03/21	MJ	10.7	8	12/20/21	MJ	11.1	3.7	Flow Controller
FC828	12/07/21	MJ	10.9	8	12/14/21	SG	10.2	6.6	Flow Controller
FC917	12/03/21	MJ	10.9	8	12/20/21	MJ	11.8	7.9	Flow Controller
FC928	12/03/21	MJ	10.9	8	12/20/21	MJ	11.4	4.5	Flow Controller
MC055	12/03/21	MJ	10.8	8	12/20/21	MJ	12.9	17.7	Flow Controller
MC189	12/03/21	MJ	10.7	8	12/20/21	MJ	12.4	14.7	Flow Controller
MC232	12/03/21	MJ	10.9	8	12/20/21	MJ	11.4	4.5	Flow Controller
MC254	12/03/21	MJ	10.8	8	12/20/21	MJ	10.9	0.9	Flow Controller
MC269	12/03/21	MJ	10.8	8	12/20/21	MJ	0	200*	Flow Controller

* Flow controller RPD > 20%

SGS Bottle Order(s):
JS-12121-242
JS-12721-27

Summa Canister and Flow Controller Log

Job Number: JD36521
Account: TTNJP Tetra Tech
Project: 2nd Avenue and 33-39th Street, Brooklyn, NY
Received: 12/09/21

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type

Prep Date	Room Temp(F)	Bar Pres "Hg
12/03/21	70	29.92
12/07/21	70	29.92

5.2