September 28, 2022

Brett Richer
Prologis, Inc.
Director, Global Environmental and Engineering
Pier 1, Bay 1
San Francisco, CA 94111

Re: Supplemental Site Investigation Report
450 Johnson Avenue
Brooklyn, New York
Langan Project No. 170588003

Dear Mr. Richer:

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) conducted a supplemental site investigation on behalf of Prologis, Inc. for the property located at 450 Johnson Avenue in Brooklyn, New York (the site). The purpose of the investigation was to evaluate soil, groundwater, and soil vapor quality at the site, fill data gaps from previous site investigations, and generate data that may be used to apply the site to the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). This letter report describes the site background, investigation methodologies, investigation results, and conclusions.

SITE BACKGROUND

Site Location

The site is about 35,000 square feet (about 0.8 acres) in area, located in the East Williamsburg neighborhood of Brooklyn, New York and identified as Block 2992, Lots 17, 21, and 55 on the Brooklyn Borough Tax Map. The site is developed with three inter-connected buildings and a parking lot:

Lot 17: A two-story, 2,500-square-foot warehouse and office building and one-story, 7,500-square-foot warehouse

Lot 21: A one-story, 20,000-square-foot warehouse

Lot 55: A 5,000-square-foot asphalt-paved parking lot

The site was vacant at the time of the investigation.

The site is bound to the north by Johnson Avenue followed by industrial properties and the southernmost branch of Newton Creek; to the east by commercial and industrial buildings; to the south by Ingraham Street followed by commercial and industrial buildings; and to the west by commercial and industrial buildings. According to the USGS Topographic Quadrangle, Brooklyn, New York, the site elevation is about elevation 10±. A site location map is included as Figure 1.

Site History

The August 23, 2019 Phase I Environmental Site Assessment, prepared by Langan, identified the following Recognized Environmental Conditions (REC) and Business Environmental Risks (BER):

- REC 1 – Current and Historical Site Use
    - Historical records indicate the Site has been utilized for a variety of industrial operations between 1907 and the present, including as a lumber yard (1907-1951), an auto garage (1928-1934), a metal working facility (1933), a paper box manufacturing facility (1951), and an envelope manufacturing facility (1992-2022).
- REC 2 – Current and Historical Operations of Surrounding Properties
    - The area surrounding the Site has been used for industrial purposes since at least 1888 through the present. One off-site and adjoining (upgradient) property, Ingraham Street Sidewalk GW (New York State Hazardous Waste Site [SHWS] ID No. 224142) is listed in the New York State VCP database.
- BER 1 – Historic Fill
- BER 2 – Asbestos Containing Material (ACM) and Lead Based Paint (LBP)

The September 24, 2019 Phase II Environmental Site Assessment, prepared by Langan, identified the following:

- Semivolatile organic compound (SVOC) and metals impacts in soil above the New York State Department of Environmental Conservation (NYSDEC) Part 375 Restricted Use (RU) Industrial Soil Cleanup Objectives (SCO)
- Volatile organic compounds (VOC), SVOCs, and metals above the NYSDEC Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referred to as "NYSDEC SGVs"), and
- VOCs in sub-slab soil vapor and soil vapor.

CVOCs have also been documented to be present (as part of separate investigations performed by others) in groundwater in the Ingraham Street Sidewalk project, which adjoins the site to the south. Ingraham Street Sidewalk GW (case ID No. 224142) is listed in the New York State Voluntary Cleanup Program (VCP) database.

FIELD INVESTIGATION

The supplemental site investigation was conducted on July 28, 29, and August 1, 2022 and consisted of the advancement of 9 soil borings to depths of 8 to 30 feet below grade surface (bgs); installation of 2 monitoring wells to 19 feet bgs, one soil vapor sampling points 13 feet bgs and one sub-slab soil vapor sampling point; and collection of 19 soil samples, 2 groundwater samples, 2 soil vapor samples, and quality assurance/quality control (QA/QC) samples. A sample summary table is included as Table 1. Boring, monitoring well and soil vapor locations are shown on Figure 2.

Soil Investigation and Sampling

AARCO Environmental Services Corp. of Lindenhurst, New York (AARCO) advanced nine soil borings using a Geoprobe 54LT direct-push drill rig. AARCO advanced 1 soil boring (SB22) to 8 feet bgs (refusal), 2 soil borings (SB18 and SB19) to 16 feet bgs, 4 soil borings (SB23-SB26) to 20 feet bgs, 1 soil boring (SB21) to 25 feet bgs, and 1 soil boring (SB20) to 30 feet bgs. Langan field personnel documented drilling activities, recorded physical soil characteristics, and collected soil samples. Soil samples were inspected for visual and olfactory evidence of impacts and screened for organic vapors with a photoionization detector (PID). One to three grab soil samples were collected from each boring, from the fill interval and/or the interval exhibiting the highest PID readings and visual and olfactory indications of impacts. Soil boring logs are provided as Attachment 1.

Twenty (20) soil samples, including one duplicate sample, were collected into laboratory-supplied glassware, labeled, placed in a laboratory-supplied cooler, packed on ice (to attempt to maintain a temperature of 4±2°C) and delivered in-person (July 27 and 28) or via courier service (August 1) to Alpha Analytical, Inc. (Alpha) under standard chain-of-custody protocol. Alpha is an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Westborough, Massachusetts (ELAP No. 11148). Soil samples were analyzed for NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 List and Target Compound List (TCL) VOCs, SVOCs, and metals. Additionally, one soil sample was analyzed for Toxicity Characteristic Leaching Procedure (TCLP) lead after initial metals results showed high concentrations of lead in soil.

Groundwater Investigation and Sampling

Groundwater was observed between 9.9 to 15.2 feet bgs. Soil borings SB20 and SB21 were converted into temporary monitoring wells TMW09 (which corresponds to SB21) and TMW10 (which corresponds to SB20) on July 28 and July 29, 2022, respectively, by inserting 10 feet of 0.02-inch slotted, 1-inch diameter, Schedule 40 polyvinyl chloride (PVC) screen to about 19 feet bgs. The annulus of both boreholes were backfilled with clean No. 2 filter sand to 8 feet bgs and sealed from 6 to 8 feet bgs with hydrated bentonite chips, then backfilled to grade with No. 2 sand.

On August 1, 2022, prior to sampling, the headspace of each well was monitored with a PID and the wells were gauged with an interface probe to determine depth to groundwater and the

potential presence of free product. In general accordance with United States Environmental Protection Agency (USEPA) Low-Flow procedures, at least 3 well volumes were purged from the wells using a peristaltic pump and dedicated polyethylene tubing. During purging, a multi-parameter water quality instrument was used to record groundwater quality parameters (i.e., pH, temperature, oxidation-reduction potential [ORP], conductivity, turbidity, and dissolved oxygen) at 5-minute intervals. TMW10 was purged dry prior to water quality indicators stabilizing. The well was allowed to recharge before sampling. Groundwater samples were collected into laboratory-supplied containers, placed in ice-chilled coolers, and delivered via courier to Alpha under standard chain-of-custody protocol for analysis. Two groundwater samples were analyzed for VOCs.

Groundwater monitoring construction logs are provided as Attachment 2 and groundwater sampling logs are provided as Attachment 3.

Soil Vapor Sampling

One sub-slab soil vapor point (SSV04) and one soil vapor point (SV01) were installed. The sub-slab soil vapor point was installed approximately 4 inches below the slab (at about 1 foot bgs) and the soil vapor point was installed at least two feet above the observed groundwater interface, corresponding to a depth of about 13 feet bgs. A two-inch-long polyethylene probe was inserted into each borehole and attached to dedicated polyethylene tubing that extended to the surface. For the soil vapor point, the annulus around the probe and tubing was filled with clean sand to about two feet above the soil vapor point, sealed with about 1 foot of hydrated bentonite, backfilled with No. 2 sand to 1 foot bgs, and a hydrated bentonite seal was placed on top of the sand up to the surface. For the sub-slab soil vapor point, the annulus around the probe and tubing was filled with clean sand to about six inches above the soil vapor point and a hydrated bentonite seal was placed on top of the sand up to the surface.

Each soil vapor point was purged using a MiniRAE 3000 PID to evacuate a minimum of three sample volumes (tubing plus vapor point) prior to sample collection. Soil vapor samples were collected into laboratory-supplied, batch-certified, 6-liter Summa® canisters. The sub-slab soil vapor point used a flow controller that was calibrated for an 8-hour sampling period, and the soil vapor point used a flow controller that was calibrated for a 2-hour sampling period. Soil vapor point construction and sampling logs are provided as Attachment 4.

After the 8-hour sampling period for SSV04 and 2-hour sampling period for SV01 had elapsed, the canisters were labeled and transported via courier to Alpha under a chain-of-custody to be analyzed for VOCs via USEPA Method TO-15.

OBSERVATIONS AND RESULTS

Subsurface Observations

The site is underlain by fill, predominantly consisting of brown to dark brown silty fine to medium sand with varying amounts of coal, fine red gravel, glass, metal, and wood. The fill was observed

from surface grade to about 15 to 17 feet bgs (fill was present at the terminus of certain soil borings). Light brown fine to medium-grained sand with varying amounts of clay and gravel was observed below the fill to the boring terminus. Bedrock was not encountered during the investigation; however, based on Langan's experience in the surrounding area, bedrock is expected to be present over 200 feet bgs.

Groundwater was observed at about 9.9 to 15.2 feet bgs. Evidence of impacts (e.g., odors and/or PID readings up to 36.7 parts per million [ppm]) were observed at about 13 to 17 feet bgs in soil boring SB26. The inferred regional groundwater flow direction for the site is to the north, towards Newton Creek.

Soil Analytical Results

VOCs, SVOCs, and metals were detected in soil samples at concentrations above NYSDEC Part 375 Protection of Groundwater (PGW) SCOs and SVOCs and metals were also detected at concentrations exceeding NYSDEC Part 375 RU commercial and/or industrial use SCOs. TCLP lead was detected in SB23 at a concentration exceeding the RCRA Characteristic of Hazardous Waste limit. Soil sample analytical results exceeding applicable regulatory criteria are shown on Figure 3. Soil sample analytical results are provided in Table 2.

Groundwater Analytical Results

Three VOCs, specifically chlorinated VOCs (CVOCs), were detected at concentrations exceeding NYSDEC SGVs. Groundwater sample analytical results exceeding applicable regulatory criteria are shown on Figure 4. Groundwater sample analytical results are provided in Table 3.

Soil Vapor Analytical Results

Petroleum VOCs and CVOCs were detected in both soil vapor samples. Although not a standard for direct comparison, tetrachloroethene (PCE) and trichloroethene (TCE) were detected at SSV04 above the minimum soil vapor concentration at which soil vapor mitigation is recommended in the Decision Matrices A, B and C (updated May 2017) as referenced in the October 2006 New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, with updates. Total VOCs ranged from 357.2 micrograms per cubic meter ($\mu g/m^3$) in SV01 to 6,975 $\mu g/m^3$ in SSV04. Soil vapor analytical results are provided on Table 4 and shown on Figure 5.

The laboratory analytical reports for soil, groundwater, and soil vapor are provided as Attachment 5.

CONCLUSIONS

Based on review of the supplemental site investigation results, we conclude the following:

- Stratigraphy: The site is underlain by fill predominantly consisting of brown to dark brown silty fine to medium sand with varying amounts of coal, fine red gravel, glass, metal, and wood. The fill was observed from surface grade to a depth of about 15 to 17 feet bgs (fill was present at the terminus of certain soil borings). Light brown fine to medium-grained

sand with varying amounts of clay and gravel was observed below the fill to the boring terminus. Bedrock was not encountered; however, based on Langan's experience in the surrounding area, bedrock is expected to be present over 200 feet bgs.

- Hydrogeology: Groundwater was observed at 9.9 to 15.2 feet bgs. Regional groundwater flow is estimated to the north toward Newton Creek.
- Petroleum Impacts:
    - Petroleum-like impacts (odors, staining, and/or PID readings above background) were observed in soil boring SB26. Petroleum-related compounds were not detected in soil at levels exceeding the PGW or the RU commercial and/or industrial SCOs at this location.
- Soil Analytical Results:
    - VOCs, SVOCs, and metals were detected at concentrations exceeding PGW SCOs, and SVOCs and metals were detected at concentrations exceeding RU commercial and/or industrial SCOs.
    - TCLP lead was detected in SB23 at a concentration exceeding the RCRA Characteristic of Hazardous Waste limit.
    - PCE was detected at a concentration exceeding the PGW SCO in shallow soil at SB23.
- Groundwater Analytical Results:
    - Three CVOCs, PCE, cis 1,2 DCE, and vinyl chloride, were detected at concentrations exceeding the NYSDEC SGVs.
- Sub-Slab Vapor Analytical Results:
    - Two VOCs, PCE and TCE, were detected in the soil vapor sample SSV04 at concentrations above the NYSDOH Decision Matrix A thresholds that trigger a recommendation of "mitigate".
    - Total VOC concentrations were detected in soil vapor at a maximum of 6,975 µg/m^3 in SSV04.

These data demonstrate contamination at the site at concentrations above applicable regulatory criteria for the anticipated future use of the site (i.e., restricted commercial or industrial use).

Sincerely,

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

Paul McMahon, P.E.
Senior Project Manager

Mimi S. Raygorodetsky
Principal/Vice President

Enclosure(s):
Figure 1 – Site Location Map
Figure 2 – Sample Location Map
Figure 3 – Soil Sample Location and Analytical Results Map
Figure 4 – Groundwater Sample Location and Analytical Results Map
Figure 5 – Soil Vapor Sample Location and Analytical Results Map

Table 1 – Sample Summary Table
Table 2 – Soil Sample Analytical Results
Table 3 – Groundwater Sample Analytical Results
Table 4 – Soil Vapor and Sub-Slab Vapor Sample Analytical Results

Attachment 1 – Soil Boring Logs
Attachment 2 – Monitoring Well Construction Logs
Attachment 3 – Groundwater Sampling Logs
Attachment 4 – Soil Vapor Sampling Logs
Attachment 5 – Laboratory Analytical Data Reports

TABLES

Table 1
Supplemental Site Investigation Report
Sample Summary Table

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Sample No.	Lot	Sample Location	Sample ID	Sample Depth/ Screened Interval (feet bgs)	Sample Date	Analyses
Soil						
1	Lot 55	SB18	SB18_1-3	1 - 3	7/28/2022	VOCs, SVOCs, Total Metals
2			SB18_8-10	8 - 10	7/28/2022	
3		SB19	SB19_1-3	1 - 3	7/28/2022	
4			SB19_8-10	8 - 10	7/28/2022	
5		SB20	SB-20_1-3	1 - 3	7/28/2022	
6			SB-20_8-10	8 - 10	7/28/2022	
7			SB-20_28-30	28 - 30	7/28/2022	
8	Lot 21	SB21	SB21_1-3	1 - 3	7/29/2022	
9			SB21_13-15	13 - 15	7/29/2022	
10			SB21_20-22	20 - 22	7/29/2022	
11		SB22	SB22_1-3	1 - 3	7/29/2022	
12		SB23	SB23_1-3	1 - 3	7/29/2022	
13			SB23_13-15	13 - 15	7/29/2022	
14		SB24	SB24_1-3	1 - 3	7/29/2022	
15			SB24_13-15	13 - 15	7/29/2022	
16		SB25	SB25_1-3	1 - 3	7/29/2022	
17			SB25_8-10	8 - 10	7/29/2022	
18		SB26	SB26_8-10	8 - 10	7/29/2022	
19			SB26_13-15	13 - 15	7/29/2022	
Groundwater						
1	Lot 21	TMW09	TMW09_08012022	0 - 0	8/1/2022	VOCs
2	Lot 55	TMW10	TMW10_08012022	0 - 0	8/1/2022	
Soil Vapor						
1	Lot 21	SSV04	SSV04_08012022	-	8/1/2022	VOCs by USEPA TO-15
2	Lot 55	SV01	SV01_08012022	-	8/1/2022	
Quality Assurance/Quality Control						
1	Lot 55	SB19	SODUP01_072822	8 - 10	7/28/2022	VOCs, SVOCs, Total Metals
2	Lot 21	TMW09	DUP01_080122	0 - 0	7/16/2019	VOCs

Table 2
Supplemental Site Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB-18	SB-18	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
					Sample Name	SB-18_1-3	SB-18_8-10	SB-19_1-3	SB-19_8-10	SODUP01_072822	SB-20_1-3	SB-20_8-10	SB-20_28-30
					Sample Date	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022
					Sample Depth	1-3	8-10	1-3	8-10	8-10	1-3	8-10	28-30
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
1,1,1-Trichloroethane	71-55-6	0.68	500	1000	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
1,1-Dichloroethane	75-34-3	0.27	240	480	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
1,1-Dichloroethene	75-35-4	0.33	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	0.0012 J	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	0.00077 J	<0.0018 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	380	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0046 U	<0.0036 U	<0.0029 U	<0.0028 U	<0.003 U	<0.0033 U	<0.0043 U	<0.0028 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,2-Dichloroethane	107-06-2	0.02	30	60	mg/kg	<0.0015 U	<0.0012 UJ	<0.00097 UJ	<0.00094 UJ	<0.001 UJ	<0.0011 UJ	<0.0014 UJ	<0.00092 UJ
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	190	380	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	0.00047 J	<0.0018 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	<0.12 U	<0.096 U	<0.078 U	<0.075 U	<0.081 U	<0.088 U	<0.11 U	<0.074 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.015 U	<0.012 U	<0.0097 U	<0.0094 U	<0.01 U	<0.011 U	<0.014 U	<0.0092 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Acetone	67-64-1	0.05	500	1000	mg/kg	<0.015 U	<0.012 U	<0.0097 U	0.014	0.019	<0.011 U	<0.014 U	<0.0092 U
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0061 U	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	<0.0057 U	<0.0037 U
Benzene	71-43-2	0.06	44	89	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0061 U	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	<0.0057 U	<0.0037 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.015 U	<0.012 U	<0.0097 U	<0.0094 U	<0.01 U	<0.011 U	<0.014 U	<0.0092 U
Carbon Tetrachloride	56-23-5	0.76	22	44	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Chlorobenzene	108-90-7	1.1	500	1000	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Chloroform	67-66-3	0.37	350	700	mg/kg	<0.0023 U	<0.0018 U	<0.0015 U	<0.0014 U	<0.0015 U	<0.0016 U	<0.0021 U	<0.0014 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0061 U	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	<0.0057 U	<0.0037 U
Cis-1,2-Dichloroethene	156-59-2	0.25	500	1000	mg/kg	<0.0015 U	<0.0012 U	0.00017 J	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	0.0096
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.015 U	<0.012 U	<0.0097 U	<0.0094 U	<0.01 U	<0.011 U	<0.014 U	<0.0092 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Ethylbenzene	100-41-4	1	390	780	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0061 U	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	<0.0057 U	<0.0037 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	500	1000	mg/kg	<0.015 UJ	<0.012 U	<0.0097 U	0.0046 J	0.0075 J	<0.011 U	<0.014 U	<0.0092 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.015 U	<0.012 U	<0.0097 U	<0.0094 U	<0.01 U	<0.011 U	<0.014 U	<0.0092 U
Methylene Chloride	75-09-2	0.05	500	1000	mg/kg	<0.0076 U	<0.006 U	<0.0049 U	<0.0047 U	<0.0051 U	<0.0055 U	<0.0071 U	<0.0046 U
Naphthalene	91-20-3	12	500	1000	mg/kg	0.0019 J	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	0.045	0.0011 J
n-Butylbenzene	104-51-8	12	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
n-Propylbenzene	103-65-1	3.9	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Sec-Butylbenzene	135-98-8	11	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
T-Butylbenzene	98-06-6	5.9	500	1000	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Tert-Butyl Methyl Ether	1634-04-4	0.93	500	1000	mg/kg	<0.003 U	<0.0024 U	<0.0019 U	<0.0019 U	<0.002 U	<0.0022 U	<0.0028 U	<0.0018 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	150	300	mg/kg	<0.00076 U	<0.0006 U	0.0012	<0.00047 U	<0.00051 U	0.001	0.0073	<0.00046 U
Toluene	108-88-3	0.7	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	0.00017 J	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	0.0096
Total Xylenes	1330-20-7	1.6	500	1000	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00076 U	<0.0006 U	<0.00049 U	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Trans-1,2-Dichloroethene	156-60-5	0.19	500	1000	mg/kg	<0.0023 U	<0.0018 U	<0.0015 U	<0.0014 U	<0.0015 U	<0.0016 U	<0.0021 U	<0.0014 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	<0.00092 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0076 U	<0.006 U	<0.0049 U	<0.0047 U	<0.0051 U	<0.0055 U	<0.0071 U	<0.0046 U
Trichloroethene (TCE)	79-01-6	**0.47**	200	400	mg/kg	<0.00076 U	<0.0006 U	0.00024 J	<0.00047 U	<0.00051 U	<0.00055 U	<0.00071 U	<0.00046 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0061 U	<0.0048 U	<0.0039 U	<0.0037 U	<0.004 U	<0.0044 U	<0.0057 U	<0.0037 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.015 UJ	<0.012 UJ	<0.0097 UJ	<0.0094 UJ	<0.01 UJ	<0.011 UJ	<0.014 UJ	<0.0092 UJ
Vinyl Chloride	75-01-4	**0.02**	13	27	mg/kg	<0.0015 U	<0.0012 U	<0.00097 U	<0.00094 U	<0.001 U	<0.0011 U	<0.0014 U	0.0014

Table 2
Supplemental Site Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB-18	SB-18	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
					Sample Name	SB-18_1-3	SB-18_8-10	SB-19_1-3	SB-19_8-10	SODUP01_072822	SB-20_1-3	SB-20_8-10	SB-20_28-30
					Sample Date	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022
					Sample Depth	1-3	8-10	1-3	8-10	8-10	1-3	8-10	28-30
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds													
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	<1.8 U	<0.2 U	0.034 J	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	<0.28 U	<0.03 U	<0.028 U	<0.028 U	<0.029 U	<0.029 U	<0.027 U	<0.027 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<1.1 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<1.6 U	<0.18 U	<0.17 U	<0.17 U	<0.17 U	<0.18 U	<0.16 U	<0.16 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<8.8 U	<0.95 U	<0.91 U	<0.9 U	<0.92 U	<0.94 U	<0.88 U	<0.88 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.97 J	0.034 J	0.14 J	<0.23 U	<0.23 U	<0.24 U	<0.22 U	<0.22 U
2-Methylphenol (o-Cresol)	95-48-7	**0.33**	500	1000	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<4 U	<0.43 U	<0.41 U	<0.41 U	<0.41 U	<0.42 U	<0.39 U	<0.39 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	**0.33**	500	1000	mg/kg	<2.6 U	<0.28 U	0.03 J	<0.27 U	<0.28 U	<0.28 U	<0.26 U	<0.26 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<4.8 U	<0.52 U	<0.49 U	<0.49 U	<0.5 U	<0.51 U	<0.48 U	<0.47 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<2.6 U	<0.28 U	<0.26 U	<0.26 U	<0.27 U	<0.27 U	<0.26 U	<0.26 U
Acenaphthene	83-32-9	98	500	1000	mg/kg	3.2	0.094 J	0.19	0.042 J	0.032 J	0.068 J	<0.15 U	0.077 J
Acenaphthylene	208-96-8	107	500	1000	mg/kg	4.3	0.049 J	0.27	<0.15 U	<0.15 U	0.043 J	<0.15 U	<0.15 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Anthracene	120-12-7	1000	500	1000	mg/kg	9.2	0.2	1	0.11	0.09 J	0.22	<0.11 U	0.099 J
Benzo(a)anthracene	56-55-3	**1**	5.6	11	mg/kg	**33**	0.72	**3.1**	0.31	0.25	**1.2**	0.031 J	0.22
Benzo(a)pyrene	50-32-8	**22**	1	1.1	mg/kg	**28**	0.75	3.1	0.29	0.23	1.2	<0.15 U	0.19
Benzo(b)fluoranthene	205-99-2	**1.7**	5.6	11	mg/kg	**39**	0.85	**3.7**	0.31	0.27	1.4	0.034 J	0.22
Benzo(g,h,i)Perylene	191-24-2	1000	500	1000	mg/kg	16	0.32	1.4	0.13 J	0.092 J	0.56	<0.15 U	0.076 J
Benzo(k)fluoranthene	207-08-9	**1.7**	56	110	mg/kg	**13**	0.32	1.4	0.12	0.089 J	0.44	<0.11 U	0.084 J
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<5.9 U	<0.64 U	<0.61 U	<0.61 U	<0.62 U	<0.64 U	<0.59 U	<0.59 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	0.38 J	<0.45 U	0.036 J	<0.43 U	<0.44 U	<0.45 U	<0.42 U	<0.42 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<2 U	<0.21 U	<0.2 U	<0.2 U	<0.21 U	<0.21 U	<0.2 U	<0.2 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<1.6 U	<0.18 U	<0.17 U	<0.17 U	<0.17 U	<0.18 U	<0.16 U	<0.16 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<2.2 U	<0.24 U	<0.23 U	<0.23 U	<0.23 U	<0.24 U	<0.22 U	<0.22 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	0.22	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Carbazole	86-74-8	NS	NS	NS	mg/kg	7	0.079 J	0.41	0.043 J	0.027 J	0.11 J	<0.18 U	0.046 J
Chrysene	218-01-9	**1**	56	110	mg/kg	**35**	0.67	**3**	0.3	0.24	**1.2**	0.028 J	0.22
Dibenz(a,h)anthracene	53-70-3	1000	0.56	1.1	mg/kg	5.2	0.086 J	0.34	0.034 J	0.026 J	0.14	<0.11 U	0.022 J
Dibenzofuran	132-64-9	210	350	1000	mg/kg	3.6	0.06 J	0.14 J	0.024 J	0.018 J	0.035 J	<0.18 U	0.042 J
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	0.055 J	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Fluoranthene	206-44-0	1000	500	1000	mg/kg	69	1.4	6	0.66	0.56	2.2	0.052 J	0.54
Fluorene	86-73-7	386	500	1000	mg/kg	6.5	0.091 J	0.24	0.043 J	0.03 J	0.056 J	<0.18 U	0.057 J
Hexachlorobenzene	118-74-1	3.2	6	12	mg/kg	<1.1 U	<0.12 U	<0.11 U	<0.11 U	<0.11 U	<0.12 U	<0.11 U	<0.11 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<5.2 U	<0.57 U	<0.54 U	<0.54 U	<0.55 U	<0.56 U	<0.52 U	<0.52 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<1.5 U	<0.16 U	<0.15 U	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U
Indeno(1,2,3-cd)pyrene	193-39-5	**8.2**	5.6	11	mg/kg	**21**	0.4	1.7	0.14 J	0.12 J	0.68	<0.15 U	0.096 J
Isophorone	78-59-1	NS	NS	NS	mg/kg	<1.6 U	<0.18 U	<0.17 U	<0.17 U	<0.17 U	<0.18 U	<0.16 U	<0.16 U
Naphthalene	91-20-3	12	500	1000	mg/kg	1.6 J	0.08 J	0.24	<0.19 U	<0.19 U	0.049 J	<0.18 U	0.032 J
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<1.6 U	<0.18 U	<0.17 U	<0.17 U	<0.17 U	<0.18 U	<0.16 U	<0.16 U
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<1.5 U	<0.16 U	<0.15 U	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U
Pentachlorophenol	87-86-5	0.8	6.7	55	mg/kg	<1.5 U	<0.16 U	<0.15 U	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.15 U
Phenanthrene	85-01-8	1000	500	1000	mg/kg	58	0.84	3.7	0.45	0.34	1	0.024 J	0.54
Phenol	108-95-2	**0.33**	500	1000	mg/kg	<1.8 U	<0.2 U	<0.19 U	<0.19 U	<0.19 U	<0.2 U	<0.18 U	<0.18 U
Pyrene	129-00-0	1000	500	1000	mg/kg	51	1.3	5.5	0.63	0.5	2.3	0.046 J	0.48

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450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB-18	SB-18	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
					Sample Name	SB-18_1-3	SB-18_8-10	SB-19_1-3	SB-19_8-10	SODUP01_072822	SB-20_1-3	SB-20_8-10	SB-20_28-30
					Sample Date	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022	07/28/2022
					Sample Depth	1-3	8-10	1-3	8-10	8-10	1-3	8-10	28-30
					Unit	Result	Result	Result	Result	Result	Result	Result	Result
Metals													
Aluminum	7429-90-5	NS	NS	NS	mg/kg	5,240	4,260	4,670 J	4,520	5,900	5,960	5,740	3,510
Antimony	7440-36-0	NS	NS	NS	mg/kg	<4.34 U	<4.63 U	5.98	1.69 J	<4.5 U	0.539 J	<4.21 U	<4.32 U
Arsenic	7440-38-2	**16**	16	16	mg/kg	4.35	6.03	10.9 J	8.31	2.8	**29.7**	3.55	2.57
Barium	7440-39-3	820	400	10000	mg/kg	39.8	61.7	258 J	186	39.2	78.6	51.8	22.7
Beryllium	7440-41-7	47	590	2700	mg/kg	0.304 J	0.278 J	0.312 J	0.305 J	0.44 J	0.344 J	0.345 J	0.286 J
Cadmium	7440-43-9	7.5	9.3	60	mg/kg	0.869	0.778 J	4.09 J	1.09	0.854 J	0.716 J	0.598 J	0.908
Calcium	7440-70-2	NS	NS	NS	mg/kg	1,540	1,510	4,320	2,730	699	22,800	999	757
Chromium, Hexavalent	18540-29-9	19	400	800	mg/kg	<0.894 U	<0.964 U	<0.92 U	<0.922 U	<0.938 U	<0.963 U	<0.897 U	<0.893 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	11.9	12.8	28.3 J	16.6	14.9	10.9	11.6	13.2
Chromium, Trivalent	16065-83-1	NS	1500	6800	mg/kg	12	13	28	17	15	11	12	13
Cobalt	7440-48-4	NS	NS	NS	mg/kg	4.96	6.42	6.79 J	4.99	7.7	4.44	5.71	4.21
Copper	7440-50-8	1720	270	10000	mg/kg	17.5	46	194	94.7	12	31	18	13.5
Cyanide	57-12-5	40	27	10000	mg/kg	<1 U	<1.2 U	0.43 J	0.29 J	0.38 J	<1.1 U	<1 U	<1 U
Iron	7439-89-6	NS	NS	NS	mg/kg	13,900	15,200	27,700	14,900	20,600	12,200	14,200	22,700
Lead	7439-92-1	**450**	1000	3900	mg/kg	167	278	386	**533**	14	239	95.1	11.1
Magnesium	7439-95-4	NS	NS	NS	mg/kg	1,480	1,450	1,920 J	1,220	1,200	2,640	1,240	1,080
Manganese	7439-96-5	2000	10000	10000	mg/kg	345	266	369	162	494	348	473	196
Mercury	7439-97-6	**0.73**	2.8	5.7	mg/kg	**2.12**	**4.04**	**2.63 J**	**2.43**	0.627	**1.21**	0.464	<0.07 U
Nickel	7440-02-0	130	310	10000	mg/kg	8.59	9.8	27.8 J	17.5	9.56	9.84	10.5	7.69
Potassium	7440-09-7	NS	NS	NS	mg/kg	615	660	592	705	571	631	470	502
Selenium	7782-49-2	4	1500	6800	mg/kg	0.287 J	<1.85 U	0.82 J	0.749 J	<1.8 U	1.35 J	<1.68 U	<1.73 U
Silver	7440-22-4	8.3	1500	6800	mg/kg	<0.869 U	<0.927 U	0.695 J	0.357 J	<0.899 U	<0.929 U	<0.842 U	<0.865 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	217	<185 U	325	205	<180 U	333	<168 U	<173 U
Thallium	7440-28-0	NS	NS	NS	mg/kg	<1.74 U	<1.85 U	<1.78 UJ	<1.74 U	<1.8 U	<1.86 U	<1.68 U	<1.73 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	20.1	19.9	32.4 J	26.8	24.1	19.6	25.5	22
Zinc	7440-66-6	2480	10000	10000	mg/kg	256	166	423	222	45.6	100	50.1	20.6
General Chemistry													
Total Solids	TSOLID	NS	NS	NS	Percent	89.5	83	87	86.8	85.3	83.1	89.2	89.6

Table 2
Supplemental Site Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB21	SB21	SB21	SB22	SB23	SB23	SB24	SB24	SB25	SB25	SB26	SB26
					Sample Name	SB21_1-3	SB21_13-15	SB21_20-22	SB22_1-3	SB23_1-3	SB23_13-15	SB24_1-3	SB24_13-15	SB25_1-3	SB25_8-10	SB26_8-10	SB26_13-15
					Sample Date	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022
					Sample Depth	1-3	13-15	20-22	1-3	1-3	13-15	1-3	13-15	1-3	8-10	8-10	13-15
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																	
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
1,1,1-Trichloroethane	71-55-6	0.68	500	1000	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,1-Dichloroethane	75-34-3	0.27	240	480	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,1-Dichloroethene	75-35-4	0.33	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	0.00033 J	0.029 J	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	0.0034	0.22 J
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	380	mg/kg	<0.0023 U	<0.002 U	<0.002 U	0.0015 J	0.17	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	NS	mg/kg	<0.0034 U	<0.003 U	<0.0031 U	<0.0046 U	<0.24 U	<0.0028 U	<0.0038 U	<0.0029 U	<0.0027 U	<0.0031 U	<0.0035 U	<0.0048 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,2-Dichloroethane	107-06-2	0.02	30	60	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,2-Dichloropropane	78-87-5	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	8.4	190	380	mg/kg	<0.0023 U	<0.002 U	<0.002 U	0.001 J	0.048 J	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	0.00032 J
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
1,4-Diethyl Benzene	105-05-5	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	0.002 J	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	0.054 J
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	<0.091 U	<0.08 U	<0.082 U	<0.12 U	<6.4 U	<0.074 U	<0.1 U	<0.077 U	<0.071 U	<0.082 U	<0.093 U	<0.13 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
2-Chlorotoluene	95-49-8	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
2-Hexanone (MBK)	591-78-6	NS	NS	NS	mg/kg	<0.011 U	<0.01 U	<0.01 U	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	<0.0096 U	<0.0089 U	<0.01 U	<0.012 U	<0.016 U
4-Chlorotoluene	106-43-4	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
4-Ethyltoluene	622-96-8	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	0.17	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	0.00073 J
Acetone	67-64-1	0.05	500	1000	mg/kg	<0.011 U	0.013	0.019	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	0.028	<0.0089 U	<0.01 U	0.023	0.048 J
Acrylonitrile	107-13-1	NS	NS	NS	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	<0.0061 U	<0.32 U	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	<0.0047 U	<0.0064 U
Benzene	71-43-2	0.06	44	89	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Bromobenzene	108-86-1	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Bromochloromethane	74-97-5	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Bromodichloromethane	75-27-4	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Bromoform	75-25-2	NS	NS	NS	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	<0.0061 U	<0.32 U	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	<0.0047 U	<0.0064 U
Bromomethane	74-83-9	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Carbon Disulfide	75-15-0	NS	NS	NS	mg/kg	<0.011 U	<0.01 U	<0.01 U	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	<0.0096 U	<0.0089 U	<0.01 U	<0.012 U	0.0077 J
Carbon Tetrachloride	56-23-5	0.76	22	44	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Chlorobenzene	108-90-7	1.1	500	1000	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Chloroethane	75-00-3	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Chloroform	67-66-3	0.37	350	700	mg/kg	<0.0017 U	<0.0015 U	<0.0015 U	<0.0023 U	<0.12 U	<0.0014 U	<0.0019 U	<0.0014 U	<0.0013 U	<0.0015 U	<0.0017 U	<0.0024 U
Chloromethane	74-87-3	NS	NS	NS	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	<0.0061 U	<0.32 U	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	<0.0047 U	<0.0064 U
Cis-1,2-Dichloroethene	156-59-2	0.25	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.017 J	0.023	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Cymene	99-87-6	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	0.0003 J	0.016 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Dibromochloromethane	124-48-1	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Dibromomethane	74-95-3	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	mg/kg	<0.011 U	<0.01 U	<0.01 U	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	<0.0096 U	<0.0089 U	<0.01 U	<0.012 U	<0.016 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Ethylbenzene	100-41-4	1	390	780	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.069 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	<0.0061 U	<0.32 U	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	<0.0047 U	<0.0064 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.015 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	0.0026 J
M,P-Xylene	179601-23-1	NS	NS	NS	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	0.15 J	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	500	1000	mg/kg	<0.011 U	<0.01 U	0.0027 J	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	0.005 J	<0.0089 U	<0.01 U	<0.012 U	<0.016 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	NS	mg/kg	<0.011 U	<0.01 U	<0.01 U	<0.015 U	<0.8 U	<0.0092 U	<0.013 U	<0.0096 U	<0.0089 U	<0.01 U	<0.012 U	<0.016 U
Methylene Chloride	75-09-2	0.05	500	1000	mg/kg	<0.0057 U	<0.005 U	<0.0051 U	<0.0076 U	<0.4 U	<0.0046 U	<0.0064 U	<0.0048 U	<0.0044 U	<0.0051 U	<0.0058 U	<0.008 U
Naphthalene	91-20-3	12	500	1000	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	0.0021 J	0.074 J	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	0.00086 J	0.026 J
n-Butylbenzene	104-51-8	12	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.075 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	0.058 J
n-Propylbenzene	103-65-1	3.9	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.08	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	0.0007 J
Sec-Butylbenzene	135-98-8	11	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.015 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	0.058 J
Styrene	100-42-5	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
T-Butylbenzene	98-06-6	5.9	500	1000	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	0.00019 J	0.0057 J
Tert-Butyl Methyl Ether	1634-04-4	0.93	500	1000	mg/kg	<0.0023 U	<0.002 U	<0.002 U	<0.003 U	<0.16 U	<0.0018 U	<0.0026 U	<0.0019 U	<0.0018 U	<0.002 U	<0.0023 U	<0.0032 U
Tetrachloroethene (PCE)	127-18-4	**1.3**	150	300	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	**20**	0.0098	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Toluene	108-88-3	0.7	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.017 J	0.023 J	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Total Xylenes	1330-20-7	1.6	500	1000	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	0.15 J	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	0.0007 J
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	NS	NS	NS	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	<0.04 U	<0.00046 U	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Trans-1,2-Dichloroethene	156-60-5	0.19	500	1000	mg/kg	<0.0017 U	<0.0015 U	<0.0015 U	<0.0023 U	<0.12 U	0.00043 J	<0.0019 U	<0.0014 U	<0.0013 U	<0.0015 U	<0.0017 U	<0.0024 U
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	<0.00092 U	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U
Trans-1,4-Dichloro-2-Butene	110-57-6	NS	NS	NS	mg/kg	<0.0057 U	<0.005 U	<0.0051 U	<0.0076 U	<0.4 U	<0.0046 U	<0.0064 U	<0.0048 U	<0.0044 U	<0.0051 U	<0.0058 U	<0.008 U
Trichloroethene (TCE)	79-01-6	**0.47**	200	400	mg/kg	<0.00057 U	<0.0005 U	<0.00051 U	<0.00076 U	**1.4**	0.0032	<0.00064 U	<0.00048 U	<0.00044 U	<0.00051 U	<0.00058 U	<0.0008 U
Trichlorofluoromethane	75-69-4	NS	NS	NS	mg/kg	<0.0046 U	<0.004 U	<0.0041 U	<0.0061 U	<0.32 U	<0.0037 U	<0.0051 U	<0.0038 U	<0.0035 U	<0.0041 U	<0.0047 U	<0.0064 U
Vinyl Acetate	108-05-4	NS	NS	NS	mg/kg	<0.011 U	<0.01 U	<0.01 U	<0.015 U	<0.8 UJ	<0.0092 U	<0.013 U	<0.0096 U	<0.0089 U	<0.01 U	<0.012 U	<0.016 U
Vinyl Chloride	75-01-4	**0.02**	13	27	mg/kg	<0.0011 U	<0.001 U	<0.001 U	<0.0015 U	<0.08 U	**0.029**	<0.0013 U	<0.00096 U	<0.00089 U	<0.001 U	<0.0012 U	<0.0016 U

Table 2
Supplemental Site Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB21	SB21	SB21	SB22	SB23	SB23	SB24	SB24	SB25	SB25	SB26	SB26
					Sample Name	SB21_1-3	SB21_13-15	SB21_20-22	SB22_1-3	SB23_1-3	SB23_13-15	SB24_1-3	SB24_13-15	SB25_1-3	SB25_8-10	SB26_8-10	SB26_13-15
					Sample Date	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022
					Sample Depth	1-3	13-15	20-22	1-3	1-3	13-15	1-3	13-15	1-3	8-10	8-10	13-15
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																	
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
1,2-Dichlorobenzene	95-50-1	1.1	500	1000	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
1,3-Dichlorobenzene	541-73-1	2.4	280	560	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
1,4-Dichlorobenzene	106-46-7	1.8	130	250	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	130	250	mg/kg	<0.027 U	<0.029 U	<0.03 U	<0.028 U	<0.026 U	<0.03 U	<0.028 U	<0.032 U	<0.027 U	<0.13 U	<0.03 U	<0.03 U
2,4,5-Trichlorophenol	95-95-4	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2,4,6-Trichlorophenol	88-06-2	NS	NS	NS	mg/kg	<0.11 U	<0.12 U	<0.12 U	<0.11 U	<0.1 U	<0.12 U	<0.11 U	<0.13 U	<0.11 U	<0.54 U	<0.12 U	<0.12 U
2,4-Dichlorophenol	120-83-2	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.17 U	<0.16 U	<0.18 U	<0.17 U	<0.19 U	<0.16 U	<0.81 U	<0.18 U	<0.18 U
2,4-Dimethylphenol	105-67-9	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2,4-Dinitrophenol	51-28-5	NS	NS	NS	mg/kg	<0.88 U	<0.93 U	<0.96 U	<0.9 U	<0.84 U	<0.96 U	<0.9 U	<1 U	<0.86 U	<4.3 UJ	<0.95 U	<0.95 U
2,4-Dinitrotoluene	121-14-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2,6-Dinitrotoluene	606-20-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2-Chloronaphthalene	91-58-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2-Chlorophenol	95-57-8	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	mg/kg	0.06 J	<0.23 U	<0.24 U	0.48	0.11 J	<0.24 U	0.077 J	<0.26 U	0.75	4.3	<0.24 U	<0.24 U
2-Methylphenol (o-Cresol)	95-48-7	**0.33**	500	1000	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	**0.34 J**	<0.2 U	<0.2 U
2-Nitroaniline	88-74-4	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
2-Nitrophenol	88-75-5	NS	NS	NS	mg/kg	<0.4 U	<0.42 U	<0.43 U	<0.41 U	<0.38 U	<0.43 U	<0.4 U	<0.46 U	<0.39 U	<1.9 U	<0.43 U	<0.43 U
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	**0.33**	500	1000	mg/kg	<0.26 U	<0.28 U	<0.29 U	<0.27 U	<0.25 U	<0.29 U	<0.27 U	<0.31 U	<0.26 U	**1.2 J**	0.08 J	<0.28 U
3,3'-Dichlorobenzidine	91-94-1	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
3-Nitroaniline	99-09-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	NS	mg/kg	<0.48 U	<0.5 U	<0.52 U	<0.49 U	<0.46 U	<0.52 U	<0.49 U	<0.55 U	<0.47 U	<2.3 U	<0.51 U	<0.51 U
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4-Chloro-3-Methylphenol	59-50-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4-Chloroaniline	106-47-8	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4-Nitroaniline	100-01-6	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
4-Nitrophenol	100-02-7	NS	NS	NS	mg/kg	<0.26 U	<0.27 U	<0.28 U	<0.26 U	<0.25 U	<0.28 U	<0.26 U	<0.3 U	<0.25 U	<1.2 U	<0.28 U	<0.28 U
Acenaphthene	83-32-9	98	500	1000	mg/kg	0.045 J	<0.15 U	<0.16 U	0.56	0.22	<0.16 U	0.29	<0.17 U	2.9	9.6	<0.16 U	0.16
Acenaphthylene	208-96-8	107	500	1000	mg/kg	<0.15 U	<0.15 U	<0.16 U	0.23	0.11 J	<0.16 U	0.035 J	<0.17 U	0.11 J	5.4	<0.16 U	<0.16 U
Acetophenone	98-86-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Anthracene	120-12-7	1000	500	1000	mg/kg	0.11	<0.12 U	<0.12 U	1	0.53	<0.12 U	0.63	<0.13 U	4.9	18	<0.12 U	0.1 J
Benzo(a)anthracene	56-55-3	**1**	5.6	11	mg/kg	0.36	<0.12 U	<0.12 U	**3.2**	**1.7**	<0.12 U	**1.5**	<0.13 U	**11**	**30**	0.058 J	0.13
Benzo(a)pyrene	50-32-8	**22**	1	1.1	mg/kg	0.43	<0.15 U	<0.16 U	3.4	1.6	<0.16 U	1.8	<0.17 U	11	**24**	0.064 J	0.13 J
Benzo(b)fluoranthene	205-99-2	**1.7**	5.6	11	mg/kg	0.49	<0.12 U	<0.12 U	**4**	**2**	<0.12 U	**2**	<0.13 U	**12**	**28**	0.072 J	0.16
Benzo(g,h,i)Perylene	191-24-2	1000	500	1000	mg/kg	0.28	<0.15 U	<0.16 U	2	1	<0.16 U	1.2	<0.17 U	4.4	10	0.069 J	0.076 J
Benzo(k)fluoranthene	207-08-9	**1.7**	56	110	mg/kg	0.17	<0.12 U	<0.12 U	1.2	0.63	<0.12 U	0.6	<0.13 U	**3.4**	**8.5**	<0.12 U	0.048 J
Benzoic Acid	65-85-0	NS	NS	NS	mg/kg	<0.59 U	<0.62 U	<0.65 U	<0.61 U	<0.57 U	<0.64 U	<0.61 U	<0.69 U	<0.58 U	<2.9 UJ	<0.64 U	<0.64 U
Benzyl Alcohol	100-51-6	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Benzyl Butyl Phthalate	85-68-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Biphenyl (Diphenyl)	92-52-4	NS	NS	NS	mg/kg	<0.42 U	<0.44 U	<0.46 U	0.11 J	0.038 J	<0.45 U	0.028 J	<0.49 U	0.32 J	1.2 J	<0.45 U	<0.45 U
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	NS	mg/kg	<0.2 U	<0.21 U	<0.22 U	<0.2 U	<0.19 U	<0.22 U	<0.2 U	<0.23 U	<0.19 U	<0.97 U	<0.21 U	<0.21 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.17 U	<0.16 U	<0.18 U	<0.17 U	<0.19 U	<0.16 U	<0.81 U	<0.18 U	<0.18 U
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	NS	mg/kg	<0.22 U	<0.23 U	<0.24 U	<0.22 U	<0.21 U	<0.24 U	<0.22 U	<0.26 U	<0.22 U	<1.1 U	<0.24 U	<0.24 U
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	0.13 J
Carbazole	86-74-8	NS	NS	NS	mg/kg	0.046 J	<0.19 U	<0.2 U	0.6	0.22	<0.2 U	0.24	<0.21 U	1.6	6.6	<0.2 U	<0.2 U
Chrysene	218-01-9	**1**	56	110	mg/kg	0.42	<0.12 U	<0.12 U	**3.9**	**1.8**	<0.12 U	**1.6**	<0.13 U	**10**	**29**	0.058 J	0.14
Dibenz(a,h)anthracene	53-70-3	1000	0.56	1.1	mg/kg	0.063 J	<0.12 U	<0.12 U	0.47	0.26	<0.12 U	0.25	<0.13 U	1	3.1	<0.12 U	<0.12 U
Dibenzofuran	132-64-9	210	350	1000	mg/kg	0.042 J	<0.19 U	<0.2 U	0.43	0.16 J	<0.2 U	0.16 J	<0.21 U	1.1	7.1	<0.2 U	<0.2 U
Dibutyl phthalate	84-74-2	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Diethyl phthalate	84-66-2	NS	NS	NS	mg/kg	0.13 J	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Dimethyl phthalate	131-11-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Dioctyl phthalate	117-84-0	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Fluoranthene	206-44-0	1000	500	1000	mg/kg	0.79	<0.12 U	<0.12 U	7.1	3	<0.12 U	3.3	<0.13 U	28	71	0.1 J	0.28
Fluorene	86-73-7	386	500	1000	mg/kg	0.041 J	<0.19 U	<0.2 U	0.65	0.21	<0.2 U	0.23	<0.21 U	2.3	10	<0.2 U	0.32
Hexachlorobenzene	118-74-1	3.2	6	12	mg/kg	<0.11 U	<0.12 U	<0.12 U	<0.11 U	<0.1 U	<0.12 U	<0.11 U	<0.13 U	<0.11 U	<0.54 U	<0.12 U	<0.12 U
Hexachlorobutadiene	87-68-3	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
Hexachlorocyclopentadiene	77-47-4	NS	NS	NS	mg/kg	<0.52 U	<0.55 U	<0.57 U	<0.54 U	<0.5 U	<0.57 U	<0.54 U	<0.61 U	<0.51 U	<2.6 U	<0.56 U	<0.56 U
Hexachloroethane	67-72-1	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.14 U	<0.16 U	<0.15 U	<0.17 U	<0.14 U	<0.72 U	<0.16 U	<0.16 U
Indeno(1,2,3-cd)pyrene	193-39-5	**8.2**	5.6	11	mg/kg	0.3	<0.15 U	<0.16 U	2.2	1.2	<0.16 U	1.3	<0.17 U	5.5	**13**	0.052 J	0.085 J
Isophorone	78-59-1	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.17 U	<0.16 U	<0.18 U	<0.17 U	<0.19 U	<0.16 U	<0.81 U	<0.18 U	<0.18 U
Naphthalene	91-20-3	12	500	1000	mg/kg	0.21	<0.19 U	<0.2 U	0.77	0.2	<0.2 U	0.16 J	<0.21 U	0.91	6.1	<0.2 U	<0.2 U
Nitrobenzene	98-95-3	NS	NS	NS	mg/kg	<0.16 U	<0.17 U	<0.18 U	<0.17 U	<0.16 U	<0.18 U	<0.17 U	<0.19 U	<0.16 U	<0.81 U	<0.18 U	0.22
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	NS	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	<0.9 U	<0.2 U	<0.2 U
n-Nitrosodiphenylamine	86-30-6	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.14 U	<0.16 U	<0.15 U	<0.17 U	<0.14 U	<0.72 U	<0.16 U	<0.16 U
Pentachlorophenol	87-86-5	0.8	6.7	55	mg/kg	<0.15 U	<0.15 U	<0.16 U	<0.15 U	<0.14 U	<0.16 U	<0.15 U	<0.17 U	<0.14 U	<0.72 U	<0.16 U	<0.16 U
Phenanthrene	85-01-8	1000	500	1000	mg/kg	0.59	<0.12 U	<0.12 U	9	2.4	<0.12 U	2.6	<0.13 U	28	82	0.061 J	0.8
Phenol	108-95-2	**0.33**	500	1000	mg/kg	<0.18 U	<0.19 U	<0.2 U	<0.19 U	<0.18 U	<0.2 U	<0.19 U	<0.21 U	<0.18 U	**0.5 J**	<0.2 U	<0.2 U
Pyrene	129-00-0	1000	500	1000	mg/kg	0.75	<0.12 U	<0.12 U	7.2	2.7	<0.12 U	3.1	<0.13 U	26	60	0.093 J	0.34

Table 2
Supplemental Site Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	Location	SB21	SB21	SB21	SB22	SB23	SB23	SB24	SB24	SB25	SB25	SB26	SB26
					Sample Name	SB21_1-3	SB21_13-15	SB21_20-22	SB22_1-3	SB23_1-3	SB23_13-15	SB24_1-3	SB24_13-15	SB25_1-3	SB25_8-10	SB26_8-10	SB26_13-15
					Sample Date	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022	07/29/2022
					Sample Depth	1-3	13-15	20-22	1-3	1-3	13-15	1-3	13-15	1-3	8-10	8-10	13-15
					Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals																	
Aluminum	7429-90-5	NS	NS	NS	mg/kg	5,450	7,220	8,460	4,710	4,290	7,680	6,970	13,800	4,970	6,120	10,700	7,430
Antimony	7440-36-0	NS	NS	NS	mg/kg	1.8 J	0.352 J	<4.56 U	14.4	1.17 J	<4.66 U	0.536 J	<4.93 U	<4.14 U	<4.18 U	<4.54 U	<4.54 U
Arsenic	7440-38-2	**16**	16	16	mg/kg	9.01	2.64	1.15	**46.1**	5.89	2.07	3.56	3.2	2.97	2.58	3.06	2.84
Barium	7440-39-3	820	400	10000	mg/kg	159	36.2	29.3	277	68.6	33.1	60.2	52.2	72.2	38.1	58.8	49
Beryllium	7440-41-7	47	590	2700	mg/kg	0.346 J	0.41 J	0.331 J	0.395 J	0.254 J	0.393 J	0.398 J	0.427 J	0.426	0.374 J	0.411 J	0.363 J
Cadmium	7440-43-9	7.5	9.3	60	mg/kg	0.727 J	0.203 J	0.215 J	1.52	0.502 J	0.295 J	0.587 J	0.286 J	0.446 J	0.3 J	0.253 J	0.209 J
Calcium	7440-70-2	NS	NS	NS	mg/kg	4,170	996	1,380	9,370	1,650	718	1,860	1,220	944	2,130	1,930	3,460
Chromium, Hexavalent	18540-29-9	19	400	800	mg/kg	0.354 J	0.307 J	<0.968 U	<0.929 U	<0.851 U	<0.965 U	<0.908 U	<1.03 U	<0.871 U	<0.89 U	<0.959 U	<0.962 U
Chromium, Total	7440-47-3	NS	NS	NS	mg/kg	23.1	12.9	19.2	19.6	11.6	14.4	14.9	20.1	16.4	13.3	19.2	12.6
Chromium, Trivalent	16065-83-1	NS	1500	6800	mg/kg	23 J	12 J	19	20	12	14	15	20	16	13	19	13
Cobalt	7440-48-4	NS	NS	NS	mg/kg	5.76	10.9	5.2	7.64	4.78	5.62	6.21	4.71	6.12	4.87	5.73	4.54
Copper	7440-50-8	1720	270	10000	mg/kg	181	14.5	12.9	170	52.8	14.2	102	9.8	26.7	15.2	16.2	14.6
Cyanide	57-12-5	40	27	10000	mg/kg	<1 U	<1.2 U	<1.1 U	<1.1 U	<1 U	<1.1 U	<1.1 U	<1.2 U	<1 U	<1 U	<1.1 U	<1.1 U
Iron	7439-89-6	NS	NS	NS	mg/kg	30,100	13,400	13,700	43,500	15,800	18,200	18,800	20,200	22,200	18,200	15,800	13,100
Lead	7439-92-1	**450**	1000	3900	mg/kg	253	58.1	12.4	429	**1,990**	13.8	151	8.33	192	45.1	47.7	110
Magnesium	7439-95-4	NS	NS	NS	mg/kg	1,460	1,390	2,180	1,070	1,330	1,450	1,900	1,810	1,340	1,580	1,830	1,410
Manganese	7439-96-5	2000	10000	10000	mg/kg	381	206	696	665	315	334	484	172	487	449	320	243
Mercury	7439-97-6	**0.73**	2.8	5.7	mg/kg	**49**	0.417	0.108	**2.48**	**5.6**	0.053 J	0.664	0.056 J	0.368	**1.03**	0.636	0.249
Nickel	7440-02-0	130	310	10000	mg/kg	12.2	9.01	10.1	20.8	9.1	9.98	11.2	11.6	10.2	10.4	10.4	7.22
Potassium	7440-09-7	NS	NS	NS	mg/kg	688	326	437	700	828	533	662	684	696	573	618	459
Selenium	7782-49-2	4	1500	6800	mg/kg	0.588 J	<1.78 U	<1.82 U	2.87	0.521 J	0.271 J	0.509 J	<1.97 U	<1.66 U	0.227 J	0.403 J	0.27 J
Silver	7440-22-4	8.3	1500	6800	mg/kg	0.718 J	<0.888 U	<0.912 U	0.458 J	<0.817 U	<0.932 U	<0.867 U	<0.986 U	<0.829 U	<0.836 U	<0.908 U	<0.909 U
Sodium	7440-23-5	NS	NS	NS	mg/kg	105 J	42.9 J	137 J	190	118 J	153 J	96.7 J	52.2 J	44.6 J	80.5 J	72.2 J	89.5 J
Thallium	7440-28-0	NS	NS	NS	mg/kg	<1.74 U	<1.78 U	<1.82 U	0.601 J	<1.63 U	<1.86 U	<1.73 U	<1.97 U	<1.66 U	<1.67 U	<1.82 U	<1.82 U
Vanadium	7440-62-2	NS	NS	NS	mg/kg	19.9	20.8	32	27.4	13.6	23.1	22.9	28.7	23.6	23	22.4	16.5
Zinc	7440-66-6	2480	10000	10000	mg/kg	233	24.9	19.5	890	130	21	139	22.6	75.9	27.9	34.5	40.4
General Chemistry																	
Total Solids	TSOLID	NS	NS	NS	Percent	90.4	84.6	82.6	86.1	94	82.9	88.1	77.8	91.8	89.9	83.4	83.2

Table 1
Subsurface Investigation Report
Soil Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Protection of Groundwater and Restricted Use Commercial and Industrial Soil Cleanup Objectives (SCO).

Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDEC Part 375 Protection of Groundwater SCOs
10 - Result exceeds PNYSDEC Part 375 Restricted Use Commercial SCOs
10 - Result exceeds NYSDEC Part 375 Restricted Use Industrial SCOs

Table 3
Supplemental Site Investigation Report
Groundwater Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDEC SGVs	Location	TMW09	TMW09	TMW10
			Sample Name	TMW09_080122	DUP01_080122	TMW10_080122
			Sample Date	08/01/2022	08/01/2022	08/01/2022
			Unit	Result	Result	Result
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,1,1-Trichloroethane	71-55-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U
1,1,2-Trichloroethane	79-00-5	1	ug/l	<1.5 U	<1.5 U	<1.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,1-Dichloroethene	75-35-4	5	ug/l	<0.5 U	<0.5 U	<0.5 U
1,1-Dichloropropene	563-58-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	<2 U	<2 U	<2 U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	0.0006	ug/l	<2 U	<2 U	<2 U
1,2-Dichlorobenzene	95-50-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U
1,2-Dichloroethane	107-06-2	0.6	ug/l	<0.5 U	<0.5 U	<0.5 U
1,2-Dichloropropane	78-87-5	1	ug/l	<1 U	<1 U	<1 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,3-Dichlorobenzene	541-73-1	3	ug/l	<2.5 U	<2.5 U	<2.5 U
1,3-Dichloropropane	142-28-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U
1,4-Dichlorobenzene	106-46-7	3	ug/l	<2.5 U	<2.5 U	<2.5 U
1,4-Diethyl Benzene	105-05-5	NS	ug/l	<2 UJ	<2 UJ	<2 UJ
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/l	<250 U	<250 U	<250 U
2,2-Dichloropropane	594-20-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U
2-Chlorotoluene	95-49-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U
2-Hexanone (MBK)	591-78-6	50	ug/l	<5 U	<5 U	<5 U
4-Chlorotoluene	106-43-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U
4-Ethyltoluene	622-96-8	NS	ug/l	<2 U	<2 U	<2 U
Acetone	67-64-1	50	ug/l	<3.4 U	<3.9 U	11 J
Acrylonitrile	107-13-1	5	ug/l	<5 U	<5 U	<5 U
Benzene	71-43-2	1	ug/l	<0.5 U	<0.5 U	<0.5 U
Bromobenzene	108-86-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Bromochloromethane	74-97-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Bromodichloromethane	75-27-4	50	ug/l	<0.5 U	<0.5 U	<0.5 U
Bromoform	75-25-2	50	ug/l	<2 U	<2 U	<2 U
Bromomethane	74-83-9	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Carbon Disulfide	75-15-0	60	ug/l	<5 U	<5 U	<5 U
Carbon Tetrachloride	56-23-5	5	ug/l	<0.5 U	<0.5 U	<0.5 U
Chlorobenzene	108-90-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Chloroethane	75-00-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Chloroform	67-66-3	7	ug/l	<2.5 U	<2.5 U	<2.5 U
Chloromethane	74-87-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Cis-1,2-Dichloroethene	156-59-2	**5**	ug/l	**19**	**17**	**26**
Cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U
Cymene	99-87-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Dibromochloromethane	124-48-1	50	ug/l	<0.5 U	<0.5 U	<0.5 U
Dibromomethane	74-95-3	5	ug/l	<5 U	<5 U	<5 U
Dichlorodifluoromethane	75-71-8	5	ug/l	<5 U	<5 U	<5 U
Diethyl Ether (Ethyl Ether)	60-29-7	NS	ug/l	<2.5 U	<2.5 U	<2.5 U
Ethylbenzene	100-41-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Hexachlorobutadiene	87-68-3	0.5	ug/l	<2.5 U	<2.5 U	<2.5 U
Isopropylbenzene (Cumene)	98-82-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U
M,P-Xylene	179601-23-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	ug/l	<5 U	<5 U	2.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/l	<5 U	<5 U	<5 U
Methylene Chloride	75-09-2	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Naphthalene	91-20-3	10	ug/l	<2.5 U	<2.5 U	<2.5 U
n-Butylbenzene	104-51-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U
n-Propylbenzene	103-65-1	5	ug/l	<2.5 U	<2.5 U	<2.5 U
o-Xylene (1,2-Dimethylbenzene)	95-47-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Sec-Butylbenzene	135-98-8	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Styrene	100-42-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U
T-Butylbenzene	98-06-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Tert-Butyl Methyl Ether	1634-04-4	10	ug/l	<2.5 U	<2.5 U	<2.5 U
Tetrachloroethene (PCE)	127-18-4	**5**	ug/l	<0.5 U	<0.5 U	**6.4**
Toluene	108-88-3	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Total 1,2-Dichloroethene (Cis and Trans)	540-59-0	NS	ug/l	19	17	26
Total Xylenes	1330-20-7	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	<0.5 U	<0.5 U	<0.5 U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Trichloroethene (TCE)	79-01-6	5	ug/l	<0.5 U	<0.5 U	2.8
Trichlorofluoromethane	75-69-4	5	ug/l	<2.5 U	<2.5 U	<2.5 U
Vinyl Acetate	108-05-4	NS	ug/l	<5 U	<5 U	<5 U
Vinyl Chloride	75-01-4	**2**	ug/l	**140**	**130**	**5.4**

Table 2
Subsurface Investigation Report
Groundwater Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Notes:

CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:

UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Supplemental Site Investigation Report
Soil Vapor and Sub-Slab Vapor Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Analyte	CAS Number	NYSDOH Decision Matrices Minimum Concentrations	Location	SSV04	SV01
			Sample Name	SSV04_080122	SV01_080122
			Sample Date	08/01/2022	08/01/2022
			Sample Type	SSV	SV
			Unit	Result	Result
Volatile Organic Compounds					
1,1,1-Trichloroethane	71-55-6	100	ug/m3	2.24	<1.09 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	ug/m3	<13.7 U	<1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	ug/m3	<15.3 U	<1.53 U
1,1,2-Trichloroethane	79-00-5	NS	ug/m3	<10.9 U	<1.09 U
1,1-Dichloroethane	75-34-3	NS	ug/m3	<8.09 U	<0.809 U
1,1-Dichloroethene	75-35-4	6	ug/m3	<0.793 U	<0.793 U
1,2,4-Trichlorobenzene	120-82-1	NS	ug/m3	<14.8 U	<1.48 U
1,2,4-Trimethylbenzene	95-63-6	NS	ug/m3	<9.83 U	6.1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	ug/m3	<15.4 U	<1.54 U
1,2-Dichlorobenzene	95-50-1	NS	ug/m3	<12 U	<1.2 U
1,2-Dichloroethane	107-06-2	NS	ug/m3	<8.09 U	<0.809 U
1,2-Dichloropropane	78-87-5	NS	ug/m3	<9.24 U	<0.924 U
1,2-Dichlorotetrafluoroethane	76-14-2	NS	ug/m3	<14 U	<1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NS	ug/m3	<9.83 U	3.59
1,3-Butadiene	106-99-0	NS	ug/m3	<4.42 U	1.16
1,3-Dichlorobenzene	541-73-1	NS	ug/m3	<12 U	<1.2 U
1,4-Dichlorobenzene	106-46-7	NS	ug/m3	<12 U	<1.2 U
1,4-Dioxane (P-Dioxane)	123-91-1	NS	ug/m3	<7.21 U	<0.721 U
2,2,4-Trimethylpentane	540-84-1	NS	ug/m3	<9.34 U	<0.934 U
2-Hexanone (MBK)	591-78-6	NS	ug/m3	<8.2 U	3.48
4-Ethyltoluene	622-96-8	NS	ug/m3	<9.83 U	1.89
Acetone	67-64-1	NS	ug/m3	71.7	138
Allyl Chloride (3-Chloropropene)	107-05-1	NS	ug/m3	<6.26 U	<0.626 U
Benzene	71-43-2	NS	ug/m3	20.2	7.89
Benzyl Chloride	100-44-7	NS	ug/m3	<10.4 U	<1.04 U
Bromodichloromethane	75-27-4	NS	ug/m3	<13.4 U	<1.34 U
Bromoethene	593-60-2	NS	ug/m3	<8.74 U	<0.874 U
Bromoform	75-25-2	NS	ug/m3	<20.7 U	<2.07 U
Bromomethane	74-83-9	NS	ug/m3	<7.77 U	<0.777 U
Carbon Disulfide	75-15-0	NS	ug/m3	17.1	47
Carbon Tetrachloride	56-23-5	6	ug/m3	1.38	<1.26 U
Chlorobenzene	108-90-7	NS	ug/m3	<9.21 U	<0.921 U
Chloroethane	75-00-3	NS	ug/m3	<5.28 U	<0.528 U
Chloroform	67-66-3	NS	ug/m3	47.3	<0.977 U
Chloromethane	74-87-3	NS	ug/m3	<4.13 U	0.865
Cis-1,2-Dichloroethene	156-59-2	6	ug/m3	4.96	<0.793 U
Cis-1,3-Dichloropropene	10061-01-5	NS	ug/m3	<9.08 U	<0.908 U
Cyclohexane	110-82-7	NS	ug/m3	15.7	13.3
Dibromochloromethane	124-48-1	NS	ug/m3	<17 U	<1.7 U
Dichlorodifluoromethane	75-71-8	NS	ug/m3	<9.89 U	2.69
Ethanol	64-17-5	NS	ug/m3	550	<9.42 U
Ethyl Acetate	141-78-6	NS	ug/m3	<18 U	<1.8 U
Ethylbenzene	100-41-4	NS	ug/m3	<8.69 U	2.9
Hexachlorobutadiene	87-68-3	NS	ug/m3	<21.3 U	<2.13 U
Isopropanol	67-63-0	NS	ug/m3	67.1	2.7
M,P-Xylene	179601-23-1	NS	ug/m3	19.1	9.08
Methyl Ethyl Ketone (2-Butanone)	78-93-3	NS	ug/m3	<14.7 U	12
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	ug/m3	<20.5 U	<2.05 U
Methylene Chloride	75-09-2	100	ug/m3	<17.4 U	<1.74 U
n-Heptane	142-82-5	NS	ug/m3	98.8	12.5
n-Hexane	110-54-3	NS	ug/m3	38.1	8.46
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	ug/m3	<8.69 U	5.39
Styrene	100-42-5	NS	ug/m3	<8.52 U	<0.852 U
Tert-Butyl Alcohol	75-65-0	NS	ug/m3	<15.2 U	46.7
Tert-Butyl Methyl Ether	1634-04-4	NS	ug/m3	<7.21 U	<0.721 U
Tetrachloroethene (PCE)	127-18-4	**100**	ug/m3	**5,520**	3.76
Tetrahydrofuran	109-99-9	NS	ug/m3	<14.7 U	<1.47 U
Toluene	108-88-3	NS	ug/m3	118	11.9
Total Xylenes	1330-20-7	NS	ug/m3	19.1	14.5
Trans-1,2-Dichloroethene	156-60-5	NS	ug/m3	<7.93 U	<0.793 U
Trans-1,3-Dichloropropene	10061-02-6	NS	ug/m3	<9.08 U	<0.908 U
Trichloroethene (TCE)	79-01-6	**6**	ug/m3	**365**	<1.07 U
Trichlorofluoromethane	75-69-4	NS	ug/m3	<11.2 U	1.35
Vinyl Chloride	75-01-4	6	ug/m3	<0.511 U	<0.511 U
Total BTEX	TOTALBTEX	NS	ug/m3	157.3	37.19
Total VOCs	TOTALVOCS	NS	ug/m3	6,975.78	357.205

Table 3
Subsurface Investigation Report
Soil Vapor and Sub-Slab Vapor Sample Analytical Results

450 Johnson Ave
Brooklyn, NY
Langan Project No.: 170588003

Notes:

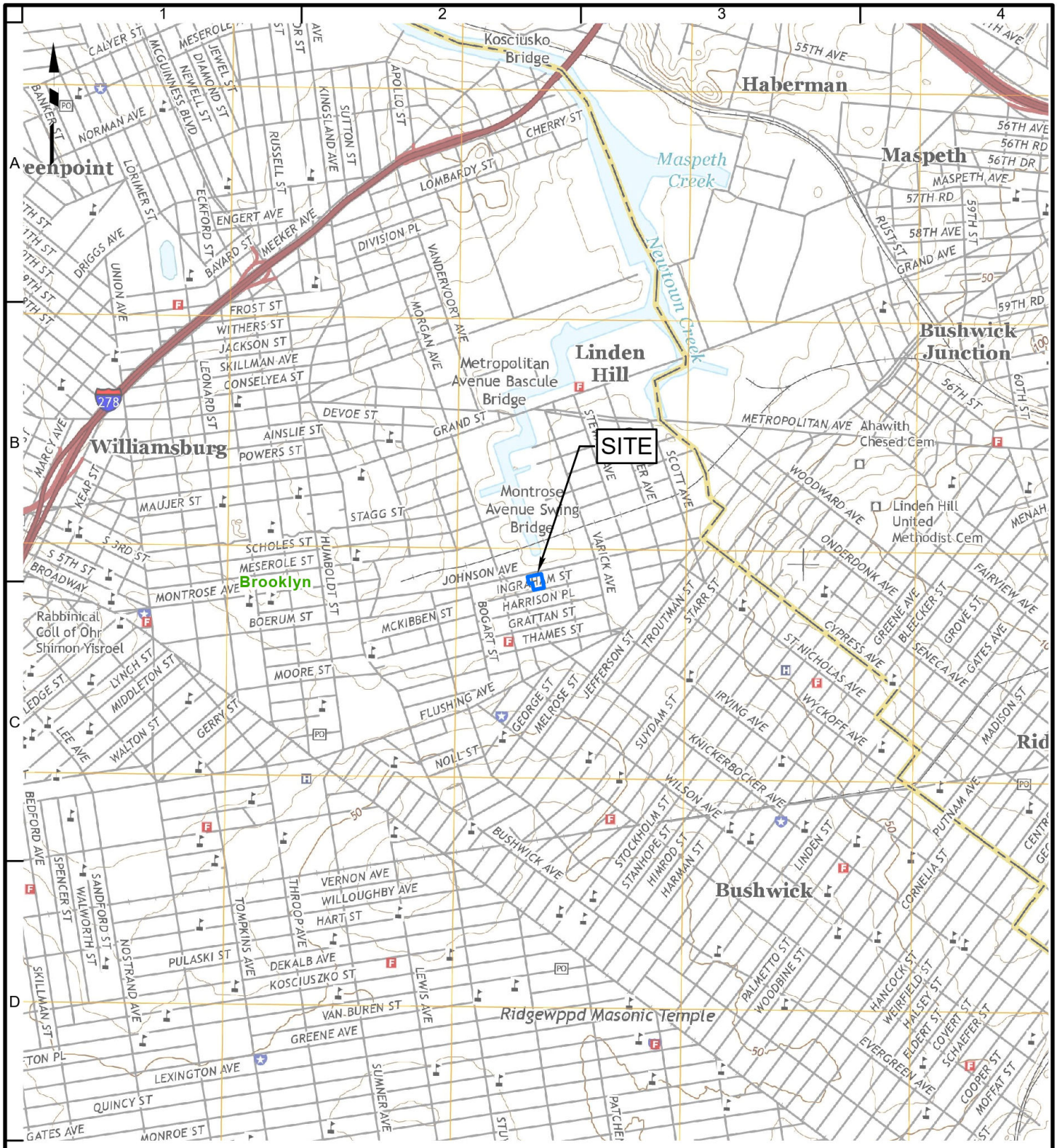
SV - Soil Vapor
SSV - Sub-slab Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil vapor and sub-slab vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Qualifiers:

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

FIGURES



Legend

Approximate Site Location

2,000 0 2,000

SCALE IN FEET

NOTES:

1. BASEMAP ADAPTED FROM UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE SERIES TOPOGRAPHICAL MAPS, BROOKLYN, NEW YORK, QUADRANGLE, DATED 2016.

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
Langan International LLC

Collectively known as Langan

Project

450 JOHNSON AVENUE

BLOCK No. 2992, LOT No. 17, 21, 55

BROOKLYN

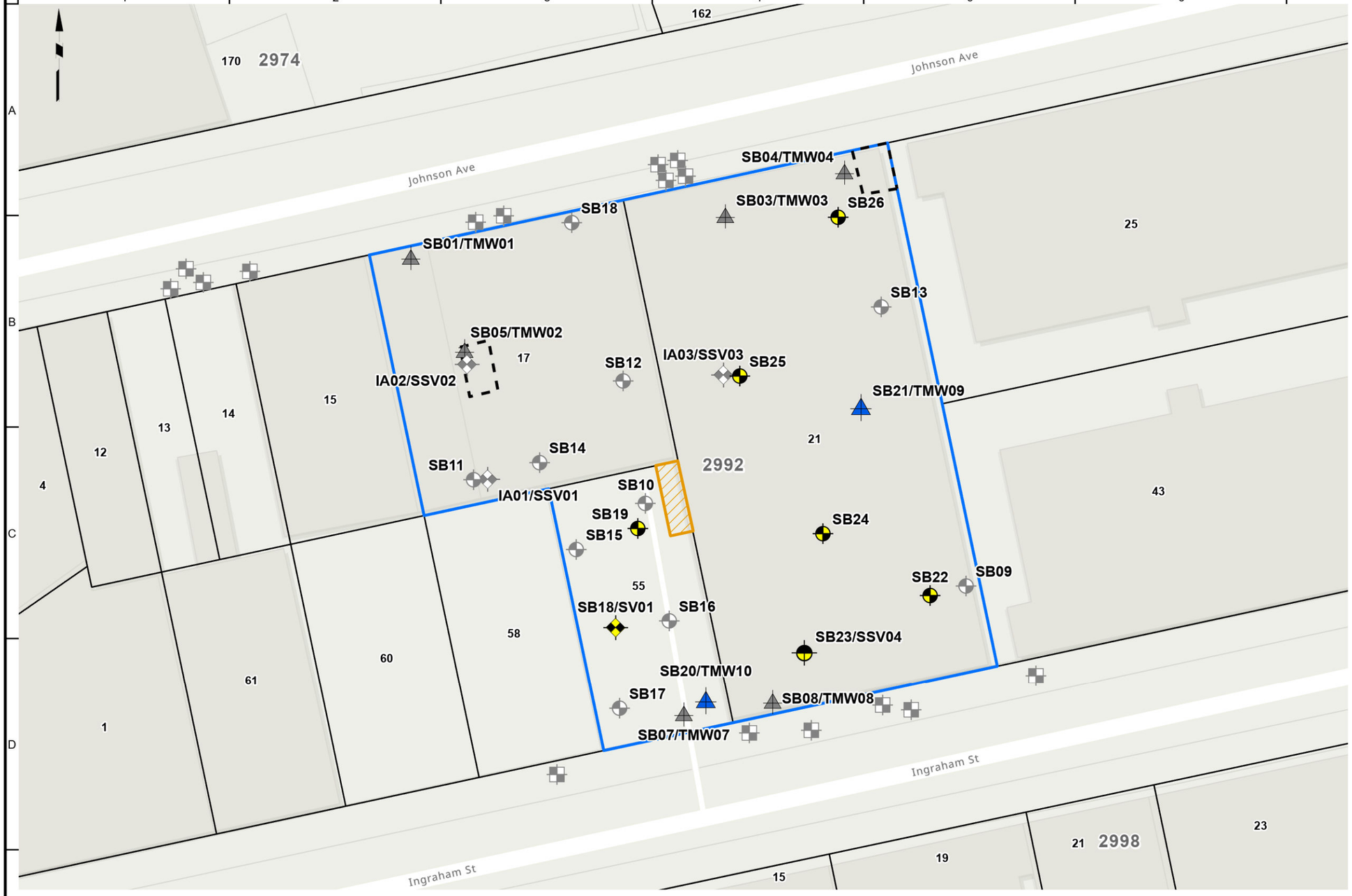
KINGS COUNTY NEW YORK

Figure Title

SITE LOCATION MAP

Project No. 170588001	Figure No. 1
Date 8/23/2022	
Scale 1"=2,000'	
Drawn By MG	
Submission Date	

Path: \\langan.com\data\NYC\data0\170588001\Project Data\ArcGIS\APRX\170588001.aprx Date: 8/23/2022 User: mgeorgalas Time: 3:04 PM



Legend

- Soil Boring
- Soil Boring/Temporary Monitoring Well
- Soil Vapor Sample
- Sub-Slab Vapor Sample
- Previous Soil Boring Location
- Previous Soil Boring/Temporary Monitoring Well Location
- Previous Collocated Indoor Air and Sub Slab Vapor Sample Location
- Off-site Groundwater Monitoring Well (installed by others)
- Approximate Site Location
- Tax Parcels
- Boiler Room
- Paper Recycling Area

NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING.
2. WORLD TOPOGRAPHIC BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.

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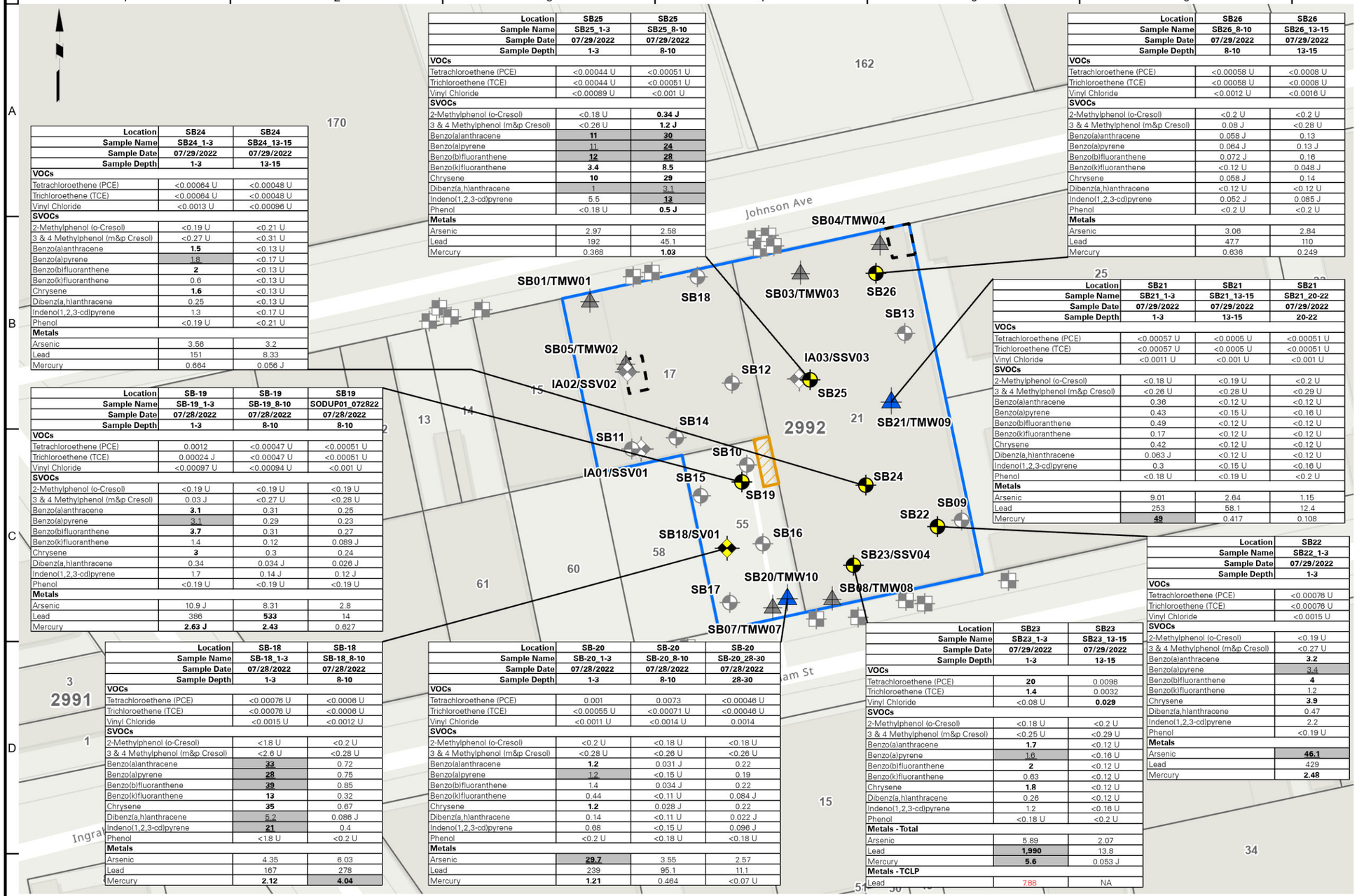
Project
450 JOHNSON AVENUE
BLOCK No. 2992, LOT No. 17, 21, 55
BROOKLYN NEW YORK

Figure Title
SAMPLE LOCATION MAP

Project No.	Figure No.
170588003	2
Date: 9/28/2022	
Scale: 1"=40'	
Drawn By: MG	

Path: \\langan.com\data\NYC\data0\170588001\Project Data\ArcGIS\APRX\170588001.aprx Date: 9/28/2022 User: mgeorgalas Time: 9:38 AM



Location	SB24	SB24
Sample Name	SB24_1-3	SB24_13-15
Sample Date	07/29/2022	07/29/2022
Sample Depth	1-3	13-15
VOCs		
Tetrachloroethene (PCE)	<0.00064 U	<0.00048 U
Trichloroethene (TCE)	<0.00064 U	<0.00048 U
Vinyl Chloride	<0.0013 U	<0.00098 U
SVOCs		
2-Methylphenol (o-Cresol)	<0.19 U	<0.21 U
3 & 4 Methylphenol (m&p Cresol)	<0.27 U	<0.31 U
Benzo(a)anthracene	**1.5**	<0.13 U
Benzo(a)pyrene	1.8	<0.17 U
Benzo(b)fluoranthene	**2**	<0.13 U
Benzo(k)fluoranthene	0.6	<0.13 U
Chrysene	**1.6**	<0.13 U
Dibenz(a,h)anthracene	0.25	<0.13 U
Indeno(1,2,3-cd)pyrene	1.3	<0.17 U
Phenol	<0.19 U	<0.21 U
Metals		
Arsenic	3.56	3.2
Lead	151	8.33
Mercury	0.664	0.056 J

Location	SB-19	SB-19	SB19
Sample Name	SB-19_1-3	SB-19_8-10	SODUP01_072822
Sample Date	07/28/2022	07/28/2022	07/28/2022
Sample Depth	1-3	8-10	8-10
VOCs			
Tetrachloroethene (PCE)	0.0012	<0.00047 U	<0.00051 U
Trichloroethene (TCE)	0.00024 J	<0.00047 U	<0.00051 U
Vinyl Chloride	<0.00097 U	<0.00094 U	<0.001 U
SVOCs			
2-Methylphenol (o-Cresol)	<0.19 U	<0.19 U	<0.19 U
3 & 4 Methylphenol (m&p Cresol)	0.03 J	<0.27 U	<0.28 U
Benzo(a)anthracene	**3.1**	0.31	0.25
Benzo(a)pyrene	3.1	0.29	0.23
Benzo(b)fluoranthene	**3.7**	0.31	0.27
Benzo(k)fluoranthene	1.4	0.12	0.089 J
Chrysene	**3**	0.3	0.24
Dibenz(a,h)anthracene	0.34	0.034 J	0.026 J
Indeno(1,2,3-cd)pyrene	1.7	0.14 J	0.12 J
Phenol	<0.19 U	<0.19 U	<0.19 U
Metals			
Arsenic	10.9 J	8.31	2.8
Lead	386	**533**	14
Mercury	**2.63 J**	**2.43**	0.627

Location	SB-18	SB-18
Sample Name	SB-18_1-3	SB-18_8-10
Sample Date	07/28/2022	07/28/2022
Sample Depth	1-3	8-10
VOCs		
Tetrachloroethene (PCE)	<0.00078 U	<0.0006 U
Trichloroethene (TCE)	<0.00078 U	<0.0006 U
Vinyl Chloride	<0.0015 U	<0.0012 U
SVOCs		
2-Methylphenol (o-Cresol)	<1.8 U	<0.2 U
3 & 4 Methylphenol (m&p Cresol)	<2.6 U	<0.28 U
Benzo(a)anthracene	**33**	0.72
Benzo(a)pyrene	**28**	0.75
Benzo(b)fluoranthene	**39**	0.85
Benzo(k)fluoranthene	**13**	0.32
Chrysene	**35**	0.67
Dibenz(a,h)anthracene	5.2	0.088 J
Indeno(1,2,3-cd)pyrene	**21**	0.4
Phenol	<1.8 U	<0.2 U
Metals		
Arsenic	4.35	6.03
Lead	167	278
Mercury	**2.12**	**4.04**

Location	SB25	SB25
Sample Name	SB25_1-3	SB25_8-10
Sample Date	07/29/2022	07/29/2022
Sample Depth	1-3	8-10
VOCs		
Tetrachloroethene (PCE)	<0.00044 U	<0.00051 U
Trichloroethene (TCE)	<0.00044 U	<0.00051 U
Vinyl Chloride	<0.00089 U	<0.001 U
SVOCs		
2-Methylphenol (o-Cresol)	<0.18 U	**0.34 J**
3 & 4 Methylphenol (m&p Cresol)	<0.26 U	**1.2 J**
Benzo(a)anthracene	**11**	**30**
Benzo(a)pyrene	11	**24**
Benzo(b)fluoranthene	**12**	**28**
Benzo(k)fluoranthene	**3.4**	**8.5**
Chrysene	**10**	**29**
Dibenz(a,h)anthracene	1	3.1
Indeno(1,2,3-cd)pyrene	5.5	**13**
Phenol	<0.18 U	**0.5 J**
Metals		
Arsenic	2.97	2.58
Lead	192	45.1
Mercury	0.368	**1.03**

Location	SB-20	SB-20	SB-20
Sample Name	SB-20_1-3	SB-20_8-10	SB-20_28-30
Sample Date	07/28/2022	07/28/2022	07/28/2022
Sample Depth	1-3	8-10	28-30
VOCs			
Tetrachloroethene (PCE)	0.001	0.0073	<0.00046 U
Trichloroethene (TCE)	<0.00055 U	<0.00071 U	<0.00046 U
Vinyl Chloride	<0.0011 U	<0.0014 U	0.0014
SVOCs			
2-Methylphenol (o-Cresol)	<0.2 U	<0.18 U	<0.18 U
3 & 4 Methylphenol (m&p Cresol)	<0.28 U	<0.26 U	<0.26 U
Benzo(a)anthracene	**1.2**	0.031 J	0.22
Benzo(a)pyrene	1.2	<0.15 U	0.19
Benzo(b)fluoranthene	1.4	0.034 J	0.22
Benzo(k)fluoranthene	0.44	<0.11 U	0.084 J
Chrysene	**1.2**	0.028 J	0.22
Dibenz(a,h)anthracene	0.14	<0.11 U	0.022 J
Indeno(1,2,3-cd)pyrene	0.68	<0.15 U	0.096 J
Phenol	<0.2 U	<0.18 U	<0.18 U
Metals			
Arsenic	**29.7**	3.55	2.57
Lead	239	95.1	11.1
Mercury	**1.21**	0.464	<0.07 U

Location	SB23	SB23
Sample Name	SB23_1-3	SB23_13-15
Sample Date	07/29/2022	07/29/2022
Sample Depth	1-3	13-15
VOCs		
Tetrachloroethene (PCE)	**20**	0.0098
Trichloroethene (TCE)	**1.4**	0.0032
Vinyl Chloride	<0.08 U	**0.029**
SVOCs		
2-Methylphenol (o-Cresol)	<0.18 U	<0.2 U
3 & 4 Methylphenol (m&p Cresol)	<0.25 U	<0.29 U
Benzo(a)anthracene	**1.7**	<0.12 U
Benzo(a)pyrene	1.6	<0.16 U
Benzo(b)fluoranthene	**2**	<0.12 U
Benzo(k)fluoranthene	0.63	<0.12 U
Chrysene	**1.8**	<0.12 U
Dibenz(a,h)anthracene	0.26	<0.12 U
Indeno(1,2,3-cd)pyrene	1.2	<0.16 U
Phenol	<0.18 U	<0.2 U
Metals - Total		
Arsenic	5.89	2.07
Lead	**1,990**	13.8
Mercury	**5.6**	0.053 J
Metals - TCLP		
Lead	788	NA

Location	SB26	SB26
Sample Name	SB26_8-10	SB26_13-15
Sample Date	07/29/2022	07/29/2022
Sample Depth	8-10	13-15
VOCs		
Tetrachloroethene (PCE)	<0.00058 U	<0.0008 U
Trichloroethene (TCE)	<0.00058 U	<0.0008 U
Vinyl Chloride	<0.0012 U	<0.0016 U
SVOCs		
2-Methylphenol (o-Cresol)	<0.2 U	<0.2 U
3 & 4 Methylphenol (m&p Cresol)	0.08 J	<0.28 U
Benzo(a)anthracene	0.058 J	0.13
Benzo(a)pyrene	0.064 J	0.13 J
Benzo(b)fluoranthene	0.072 J	0.16
Benzo(k)fluoranthene	<0.12 U	0.048 J
Chrysene	0.058 J	0.14
Dibenz(a,h)anthracene	<0.12 U	<0.12 U
Indeno(1,2,3-cd)pyrene	0.052 J	0.085 J
Phenol	<0.2 U	<0.2 U
Metals		
Arsenic	3.06	2.84
Lead	47.7	110
Mercury	0.636	0.249

Location	SB21	SB21	SB21
Sample Name	SB21_1-3	SB21_13-15	SB21_20-22
Sample Date	07/29/2022	07/29/2022	07/29/2022
Sample Depth	1-3	13-15	20-22
VOCs			
Tetrachloroethene (PCE)	<0.00057 U	<0.0005 U	<0.00051 U
Trichloroethene (TCE)	<0.00057 U	<0.0005 U	<0.00051 U
Vinyl Chloride	<0.0011 U	<0.001 U	<0.001 U
SVOCs			
2-Methylphenol (o-Cresol)	<0.18 U	<0.19 U	<0.2 U
3 & 4 Methylphenol (m&p Cresol)	<0.26 U	<0.28 U	<0.29 U
Benzo(a)anthracene	0.36	<0.12 U	<0.12 U
Benzo(a)pyrene	0.43	<0.15 U	<0.16 U
Benzo(b)fluoranthene	0.49	<0.12 U	<0.12 U
Benzo(k)fluoranthene	0.17	<0.12 U	<0.12 U
Chrysene	0.42	<0.12 U	<0.12 U
Dibenz(a,h)anthracene	0.063 J	<0.12 U	<0.12 U
Indeno(1,2,3-cd)pyrene	0.3	<0.15 U	<0.16 U
Phenol	<0.18 U	<0.19 U	<0.2 U
Metals			
Arsenic	9.01	2.64	1.15
Lead	253	58.1	12.4
Mercury	**49**	0.417	0.108

Location	SB22
Sample Name	SB22_1-3
Sample Date	07/29/2022
Sample Depth	1-3
VOCs	
Tetrachloroethene (PCE)	<0.00076 U
Trichloroethene (TCE)	<0.00076 U
Vinyl Chloride	<0.0015 U
SVOCs	
2-Methylphenol (o-Cresol)	<0.19 U
3 & 4 Methylphenol (m&p Cresol)	<0.27 U
Benzo(a)anthracene	**3.2**
Benzo(a)pyrene	3.4
Benzo(b)fluoranthene	**4**
Benzo(k)fluoranthene	1.2
Chrysene	**3.9**
Dibenz(a,h)anthracene	0.47
Indeno(1,2,3-cd)pyrene	2.2
Phenol	<0.19 U
Metals	
Arsenic	**46.1**
Lead	429
Mercury	**2.48**

Legend

- Soil Boring
- Soil Boring/Temporary Monitoring Well
- Soil Boring/Soil Vapor Point
- Previous Soil Boring Location
- Previous Soil Boring/Temporary Monitoring Well Location
- Previous Collocated Indoor Air and Sub Slab Vapor Sample Location
- Off-site Groundwater Monitoring Well (installed by others)
- Approximate Site Location
- Tax Parcels
- Boiler Room
- Paper Recycling Area

Analyte	NYSDEC Part 375 Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Commercial SCOs	NYSDEC Part 375 Restricted Use Industrial SCOs	RCRA Characteristics of Hazardous Waste
VOCs				
Tetrachloroethene (PCE)	1.3	150	300	NS
Trichloroethene (TCE)	0.47	200	400	NS
Vinyl Chloride	0.02	13	27	NS
SVOCs				
2-Methylphenol (o-Cresol)	0.33	500	1000	NS
3 & 4 Methylphenol (m&p Cresol)	0.33	500	1000	NS
Benzo(a)anthracene	1	5.6	11	NS
Benzo(a)pyrene	22	1	1.1	NS
Benzo(b)fluoranthene	1.7	5.6	11	NS
Benzo(k)fluoranthene	1.7	56	110	NS
Chrysene	1	56	110	NS
Dibenz(a,h)anthracene	1000	0.56	1.1	NS
Indeno(1,2,3-cd)pyrene	8.2	5.6	11	NS
Phenol	0.33	500	1000	NS
Metals - Total				
Arsenic	16	16	16	NS
Lead	450	1000	3900	NS
Mercury	0.73	2.8	5.7	NS
Metals - TCLP				
Lead	NS	NS	NS	5

Exceedance Summary:

10 - Result exceeds NYSDEC Part 375 Protection of Groundwater SCOs
10 - Result exceeds NYSDEC Part 375 Restricted Use Commercial SCOs
10 - Result exceeds NYSDEC Part 375 Restricted Use Industrial SCOs
10 - Result exceeds RCRA Characteristics of Hazardous Waste

NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING.
2. WORLD TOPOGRAPHIC BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 PROTECTION OF GROUNDWATER AND RESTRICTED USE COMMERCIAL AND INDUSTRIAL SOIL CLEANUP OBJECTIVES (SCO).
4. mg/kg - MILLIGRAM PER KILOGRAM
5. <RL - NOT DETECTED

QUALIFIERS:
J - THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE.
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

60 0 60
SCALE IN FEET

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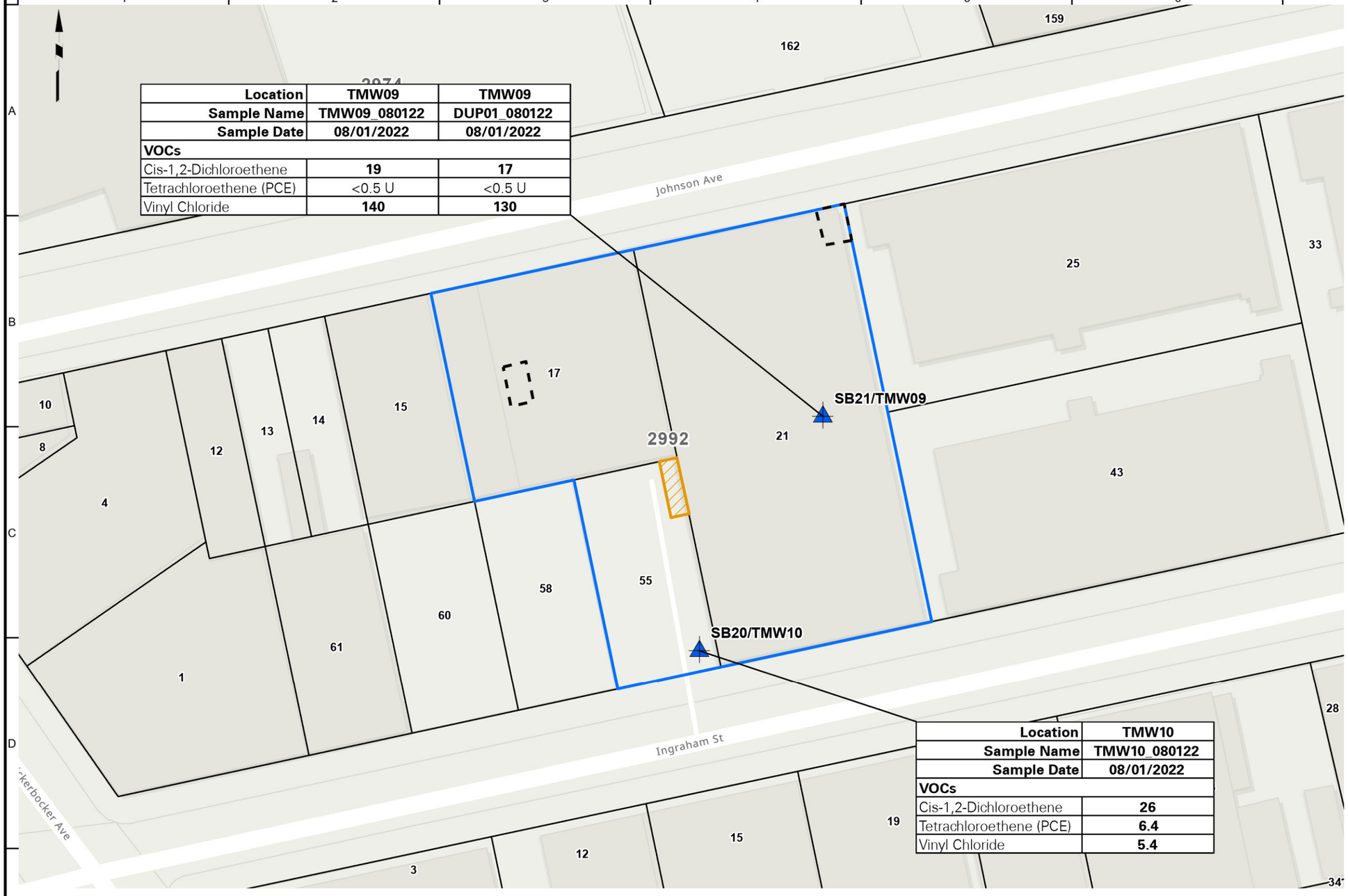
Project
450 JOHNSON AVENUE
BLOCK No. 2992, LOT No. 17, 21, 55
BROOKLYN NEW YORK

Figure Title
SOIL SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No. 170588003
Date 9/28/2022
Scale 1"=60'
Drawn By MG
Figure No. 3

Path: \\langan.com\data\NYC\data0\170588001\Project Data\ArcGIS\APRX\170588001.aprx Date: 9/28/2022 User: mgeorgalas Time: 9:40 AM



Location	TMW09	TMW09
Sample Name	TMW09_080122	DUP01_080122
Sample Date	08/01/2022	08/01/2022
VOCs		
Cis-1,2-Dichloroethene	**19**	**17**
Tetrachloroethene (PCE)	<0.5 U	<0.5 U
Vinyl Chloride	**140**	**130**

Location	TMW10
Sample Name	TMW10_080122
Sample Date	08/01/2022
VOCs	
Cis-1,2-Dichloroethene	**26**
Tetrachloroethene (PCE)	**6.4**
Vinyl Chloride	**5.4**

Legend

- Soil Boring/Temporary Monitoring Well
- Approximate Site Location
- Tax Parcels
- Boiler Room
- Paper Recycling Area

Analyte	NYSDEC SGVs
VOCs	
Cis-1,2-Dichloroethene	5
Tetrachloroethene (PCE)	5
Vinyl Chloride	2

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING.
2. WORLD TOPOGRAPHIC BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
3. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 703.5 AND THE NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER (HEREIN COLLECTIVELY REFERENCED AS "NYSDEC SGVs").
4. ug/l - MICROGRAM PER LITER
5. <RL - NOT DETECTED

QUALIFIERS:
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

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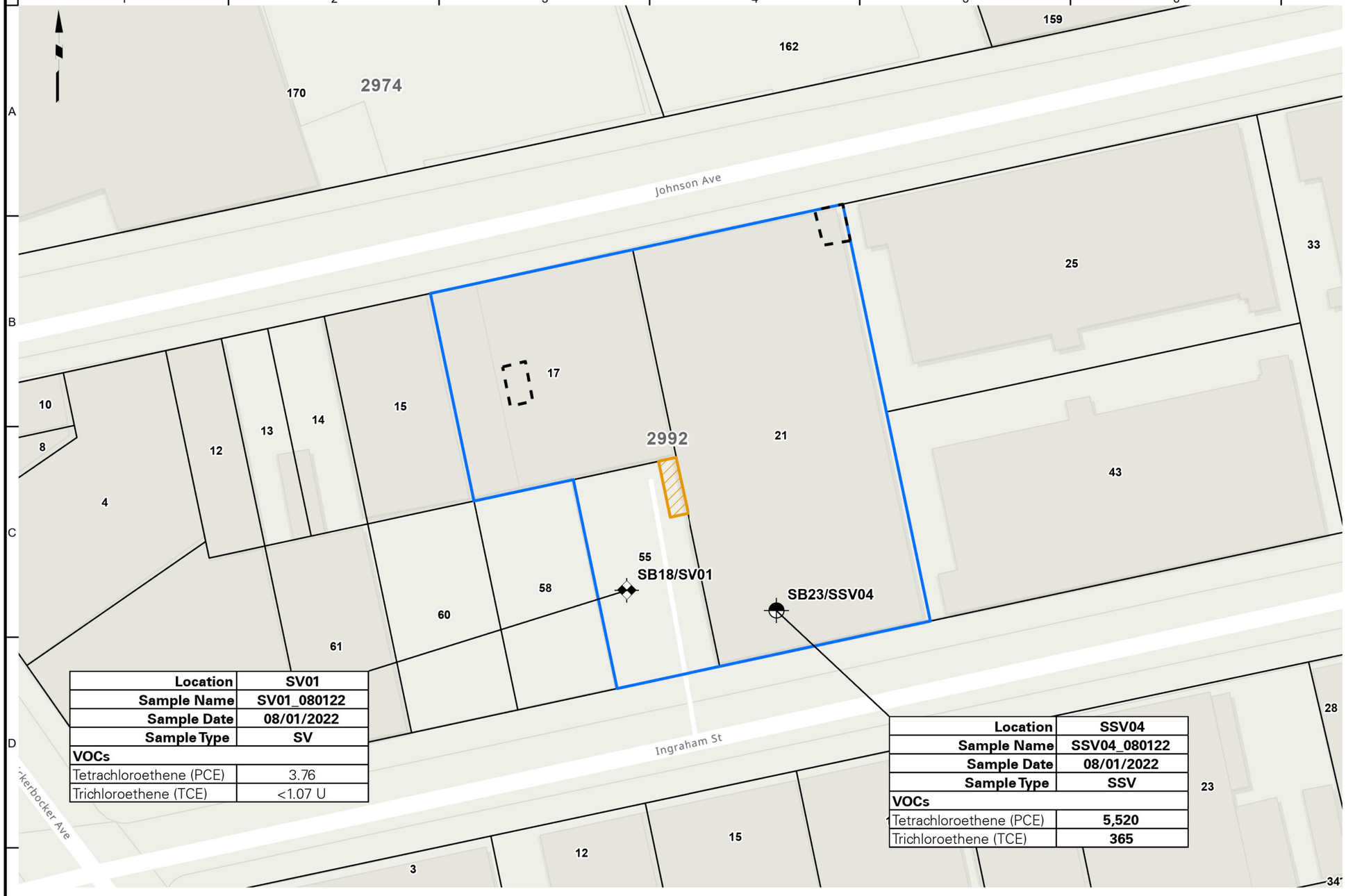
Project
450 JOHNSON AVENUE
BLOCK No. 2992, LOT No. 17, 21, 55
BROOKLYN NEW YORK

Figure Title
GROUNDWATER LOCATION AND ANALYTICAL RESULTS MAP

Project No.	Figure No.
170588003	4
Date: 9/26/2022	
Scale: 1"=50'	
Drawn By: MG	

Path: \\langan.com\data\NYC\data0\170588001\Project Data\ArcGIS\APRX\170588001.aprx Date: 9/26/2022 User: mgeorgalas Time: 9:41 AM



Legend

- Soil Vapor Sample
- Sub-Slab Vapor Sample
- Approximate Site Location
- Tax Parcels
- Boiler Room
- Paper Recycling Area

Location	SV01
Sample Name	SV01_080122
Sample Date	08/01/2022
Sample Type	SV
VOCs	
Tetrachloroethene (PCE)	3.76
Trichloroethene (TCE)	<1.07 U

Location	SSV04
Sample Name	SSV04_080122
Sample Date	08/01/2022
Sample Type	SSV
VOCs	
Tetrachloroethene (PCE)	**5,520**
Trichloroethene (TCE)	**365**

Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs	
Tetrachloroethene (PCE)	100
Trichloroethene (TCE)	6

Exceedance Summary:

10 - Result exceeds minimum soil vapor concentrations recommending mitigation

NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING.
2. WORLD TOPOGRAPHIC BASEMAP IS PROVIDED THROUGH LANGAN'S ESRI AND ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE.
3. SOIL VAPOR AND SUB-SLAB VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE MINIMUM SOIL VAPOR CONCENTRATIONS AT WHICH MITIGATION IS RECOMMENDED AS SET FORTH IN THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) OCTOBER 2006 GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK DECISION MATRICES FOR SUB-SLAB VAPOR AND INDOOR AIR AND SUBSEQUENT UPDATES (2017).
4. ug/m3- MICROGRAM PER CUBIC METER
5. <RL - NOT DETECTED

QUALIFIERS:
U - THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

50 0 50
SCALE IN FEET

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Project
450 JOHNSON AVENUE
BLOCK No. 2992, LOT No. 17, 21, 55
BROOKLYN NEW YORK

Figure Title
SOIL VAPOR SAMPLE LOCATION AND ANALYTICAL RESULTS MAP

Project No. 170588003	Figure No. 5
Date 8/24/2022	
Scale 1"=50'	
Drawn By MG	

Path: \\langan.com\data\NYC\data0\170588001\Project Data\ArcGIS\APRX\170588001.aprx Date: 8/24/2022 User: mgeorgalas Time: 11:36 AM

ATTACHMENT 1

SOIL BORING LOGS

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Log of Boring **SB-18** Sheet 1 of 1

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/28/2022 / Date Finished: 07/28/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 16 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 4 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Black fine GRAVEL (dry) [ASPHALT]	0						
		R1b Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	1	R1	MACROCORE	42/48		0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	5	R2	Macrocore	40/48		0.0	
			6					0.0	
			7					0.0	
			8					0.0	
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	9	R3	Macrocore	38/48		0.0	
			10					0.0	
			11					0.0	
			12					0.0	
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	13	R4	MACROCORE	39/48		0.0	
			14					0.0	
			15					0.0	
			16					0.0	Bottom of boring 16 feet bgs. Boring backfilled with clean sand to surface grade and returned to surface conditions.
			17						
			18						
			19						
			20						

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Log of Boring **SB-19** Sheet 1 of 1

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/28/2022 / Date Finished: 07/28/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 16 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 4 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Black fine GRAVEL (dry) [ASPHALT]	0	R1	Macrocore	46/48		0.0	
		R1b (6-46'0 Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
		R2 (0-41") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	5	R2	Macrocore	41/48		0.0	
			6					0.0	
			7					0.0	
			8					0.0	
		R3 (0-42") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	9	R3	Macrocore	42/48		0.0	
			10					0.0	
			11					0.0	
			12					0.0	
		R4 (0-40") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	13	R4	MACROCORE	40/48		0.0	
			14					0.0	
			15					0.0	
			16					0.0	Bottom of boring 16 feet bgs. Boring backfilled with clean sand to surface grade and returned to surface conditions.
			17						
			18						
			19						
			20						

\\LANGAN.COM\DATA\NYC\DATA0\170588001\PROJECT DATA_DISCIPLINE\ENV\IRONMENTAL\GINTLOGS\170588001_ENTERPRISE.GPJ ... 9/16/2022 2:10:54 PM ... Report: Log - LANGAN

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Log of Boring **SB-20** Sheet 1 of 2

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/29/2022 / Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 30 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 6 / Undisturbed N/A / Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 17 / Completion ▼ / 24 HR. ▼ 15.2
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Black fine GRAVEL (dry) [ASPHALT]	0	R1	Macrocore	55/60		0.0	
		R1b (6-55") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2 (0-56") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	6	R2	Macrocore	56/60		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
		R3 (0-51") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	11	R3	Macrocore	51/60		0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15 ▼					0.0	
		R4a (0-24") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	16	R4	Macrocore	53/60		0.0	
			17 ▽					0.0	
		R4b (24-53") Light brown to gray fine-medium SAND, trace clay, trace gravel (wet) [SP]	18					0.0	
			19					0.0	
			20					0.0	

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Log of Boring **SB-20** Sheet 2 of 2

Project	Project No.
450 Johnson Ave	170588001
Location	**Elevation and Datum**
Brooklyn, New York	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R5a (0-12") Light gray to gray silty CLAY, trace sand, trace fine gravel (wet) [CL]	20						
		R5b (12-52") Brown to light gray silty fine-medium SAND, trace clay, trace gravel (wet) [SP]	21	R5	Macrocore	52/60		0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	
		R6 (0-56") Brown to light gray silty fine-medium SAND, trace clay, trace gravel (wet) [SP]	26					0.0	
			27	R6	Macrocore	56/60		0.0	
			28					0.0	
			29					0.0	
			30					0.0	Bottom of boring at 30 feet bgs. Boring converted to a temporary monitoring well. Screen set from 9 to 19 feet bgs with PVC riser to surface.
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB-21** Sheet 1 of 2

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/29/2022 / Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 25 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 5, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 15, Completion ▼, 24 HR. ▼ 9.9
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0					0.0	
		R1b (6-55") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	1					0.0	
			2					0.0	
			3	R1	Macrocore	55/60		0.0	
			4					0.0	
			5					0.0	
		R2 (0-53") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	6					0.0	
			7					0.0	
			8	R2	Macrocore	53/60		0.0	
			9					0.0	
			10					0.0	
		R3 (0-50") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass, metal, wood (dry) [FILL]	11					0.0	
			12					0.0	
			13	R3	Macrocore	50/60		0.0	
			14					0.0	
			15					0.0	
		R4 (0-52") Light brown to gray fine-medium SAND, trace clay, trace gravel (wet) [SP]	16					0.0	
			17					0.0	
			18	R4	Macrocore	52/60		0.0	
			19					0.0	
			20					0.0	

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Log of Boring **SB-21** Sheet 2 of 2

Project	Project No.
450 Johnson Ave	170588001
Location	**Elevation and Datum**
Brooklyn, New York	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R5a (0-12") Light gray to gray silty CLAY, trace sand, trace fine gravel (wet) [CL]	20	R5	MACROCORE	47/60		0.0	
		R5b (12-47") Brown to light gray silty fine-medium SAND, trace clay, trace gravel (wet) [SP]	21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	Bottom of boring 25 feet bgs. Boring converted to temporary monitoring well. Screen set from 9 to 19 feet bgs with PVC riser to surface.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **SB-22** Sheet 1 of 1

Project: 450 Johnson Ave		Project No.: 170588001	
Location: Brooklyn, New York		Elevation and Datum:	
Drilling Company: AARCO Environmental Services Corp.		Date Started: 07/29/2022	Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT		Completion Depth: 8 ft	Rock Depth:
Size and Type of Bit: 2-in Direct Push		Number of Samples: Disturbed 2 / Undisturbed N/A / Core N/A	
Casing Diameter (in): N/A	Casing Depth (ft): N/A	Water Level (ft.): First ▽ / Completion ▼ / 24 HR. ▼	
Casing Hammer: N/A	Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon	
Sampler: 2 inch Acetate Macrocore		Field Engineer: TJ Malgieri	
Sampler Hammer: N/A	Weight (lbs): N/A / Drop (in): N/A		

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0					0.0	
		R1b (6-54") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	1					0.0	
			2	R1	MACROCORE	56/60		0.0	
			3					0.0	
			4					0.0	
		R2 (0-36") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	5					0.0	
			6	R2	MACROCORE	30/60		0.0	
			7					0.0	
			8					0.0	Refusal at 8 feet bgs. Boring backfilled with clean sand to surface grade and restored to surface conditions.
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB-23** Sheet 1 of 1

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/29/2022 / Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 20 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 15, Completion ▼, 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0						
		R1b (6-55") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	1	R1	MACROCORE	55/60		0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2 (0-53") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	6	R2	MACROCORE	53/60		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
		R3 (0-52") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	11	R3	MACROCORE	52/60		0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15 ▽					0.0	
		R4 (0-46") Light brown to gray fine-medium SAND, trace clay, trace gravel (wet) [SP]	16	R4	MACROCORE	46/60		0.0	
			17					0.0	
			18					0.0	Bottom of boring 20 feet bgs. Boring backfilled with clean sand to surface grade and restored to surface conditions.
			19					0.0	
			20					0.0	

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Log of Boring **SB-24** Sheet 1 of 1

Project: 450 Johnson Ave		Project No.: 170588001	
Location: Brooklyn, New York		Elevation and Datum:	
Drilling Company: AARCO Environmental Services Corp.		Date Started: 07/29/2022	Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT		Completion Depth: 20 ft	Rock Depth:
Size and Type of Bit: 2-in Direct Push		Number of Samples: Disturbed 4	Undisturbed N/A; Core N/A
Casing Diameter (in): N/A	Casing Depth (ft): N/A	Water Level (ft.): First ▽ 15	Completion ▼; 24 HR. ▼
Casing Hammer: N/A	Weight (lbs): N/A; Drop (in): N/A	Drilling Foreman: Ron Dixon	
Sampler: 2 inch Acetate Macrocore		Field Engineer: TJ Malgieri	
Sampler Hammer: N/A	Weight (lbs): N/A; Drop (in): N/A		

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0	R1	MACROCORE	51/60		0.0	
		R1b (6-51") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2 (0-56") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	6	R2	MACROCORE	56/60		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
		R3 (0-52") Brown to dark brown silty fine-medium SAND, coal, fine red gravel, glass (dry) [FILL]	11	R3	MACROCORE	52/60		0.0	
			12					0.0	
			13					0.0	
			14					0.0	
			15 ▽					0.0	
		R4 (0-46") Light brown to gray fine-medium SAND, trace clay, trace gravel (wet) [SP]	16	R4	MACROCORE	46/60		0.0	
			17					0.0	
			18					0.0	Bottom of boring 20 feet bgs. Boring backfilled with clean sand to surface grade and restored to surface conditions.
			19					0.0	
			20					0.0	

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Log of Boring **SB-25** Sheet 1 of 1

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/29/2022 / Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 20 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 15, Completion ▼, 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0						
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	1					0.0	
			2					0.0	
			3	R1	MACROCORE	54/60		0.0	
			4					0.0	
			5					0.0	
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	6					0.0	
			7					0.0	
			8	R2	MACROCORE	55/60		0.0	
			9					0.0	
			10					0.0	
		Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	11					0.0	
			12					0.0	
			13	R3	MACROCORE	49/60		0.0	
			14					0.0	
			15 ▽					0.0	
		Light brown to gray fine-medium SAND, trace clay, trace gravel (wet)[SP]	16					0.0	
			17					0.0	
			18	R4	MACROCORE	48/60		0.0	Bottom of boring 20 feet bgs. Boring backfilled with clean sand to surface grade and restored to surface conditions.
			19					0.0	
			20					0.0	

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Log of Boring **SB-26** Sheet 1 of 1

Project: 450 Johnson Ave	Project No.: 170588001
Location: Brooklyn, New York	Elevation and Datum:
Drilling Company: AARCO Environmental Services Corp.	Date Started: 07/29/2022 / Date Finished: 07/29/2022
Drilling Equipment: Geoprobe 54LT	Completion Depth: 20 ft / Rock Depth:
Size and Type of Bit: 2-in Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 15, Completion ▼, 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Ron Dixon
Sampler: 2 inch Acetate Macrocore	Field Engineer: TJ Malgieri
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		R1a (0-6") Grey concrete [CONCRETE]	0					0.0	
		R1b (6-54") Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	1					0.0	
			2					0.0	
			3	R1	MACROCORE	54/60		0.0	
			4					0.0	
			5					0.0	
		R2 (0-52") Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	6					0.0	
			7					0.0	
			8	R2	MACROCORE	52/60		0.0	
			9					0.0	
			10					0.0	
		R3 (0-49") Brown to dark brown silty fine-medium SAND, trace coal, trace brick, trace glass (dry)[FILL]	11					0.0	
			12					0.0	
			13	R3	MACROCORE	49/60		0.0	
			14					6.5	
			15 ▽					22.5	
								36.7	Petroleum-like staining and odor.
								32.4	
		R4 (0-47") Light brown to gray fine-medium SAND, trace clay, trace gravel (wet)[SP]	16					12.5	
			17					3.3	
			18	R4	MACROCORE	47/60		0.0	
			19					0.0	
			20					0.0	Bottom of boring 20 feet bgs. Boring backfilled with clean sand to surface grade and restored to surface conditions.
								0.0	
								0.0	

\\LANGAN.COM\DATA\NYC\DATA0\170588001\PROJECT DATA_DISCIPLINE\ENV\IRONMENTAL\GINTLOGS\170588001_ENTERPRISE.GPJ ... 9/16/2022 2:11:11 PM ... Report: Log - LANGAN

ATTACHMENT 2

MONITORING WELL CONSTRUCTION LOGS

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. TMW09

PROJECT		PROJECT NO.	
450 Johnson		170588001	
LOCATION		**ELEVATION AND DATUM**	
450 Johnson Avenue, Brooklyn, NY		el. - N/A	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.		7/28/2022	7/28/2022
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 54LT		Ron Dixon	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		TJ Malgieri	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	1	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

Geoprobe 54LT was used to advance the boring to approximately 20 feet bgs. A two-inch (2") PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 9 to 19 feet bgs with riser from 9 feet bgs to surface.

WELL DEVELOPMENT DATA

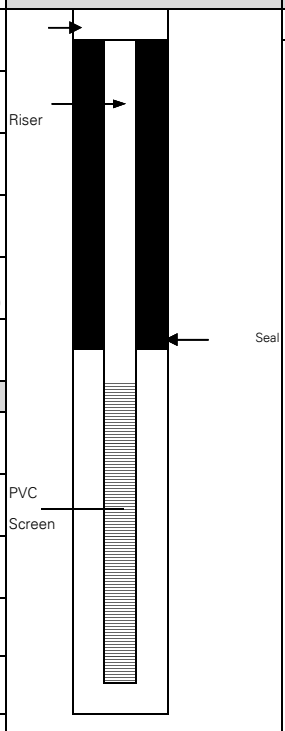
SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Peristaltic	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Langan	**MAX PUMP RATE**	0.12 GPM	Well developed from 11:15 - 11:55 until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	3.2	

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
	-	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	8
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	9.0
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	19
SCREEN LENGTH		10
SLOT SIZE		No. 20 Slot; 0.020 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A	8/1/2022	9.9 ft
		ft

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
See Soil Boring Logs	0
	6
	8
	9
	19

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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. TMW10

PROJECT		PROJECT NO.	
450 Johnson		170588001	
LOCATION		**ELEVATION AND DATUM**	
450 Johnson Avenue, Brooklyn, NY		el. - N/A	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.		7/28/2022	7/28/2022
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 54LT		Ron Dixon	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		TJ Malgieri	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	1	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	1	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

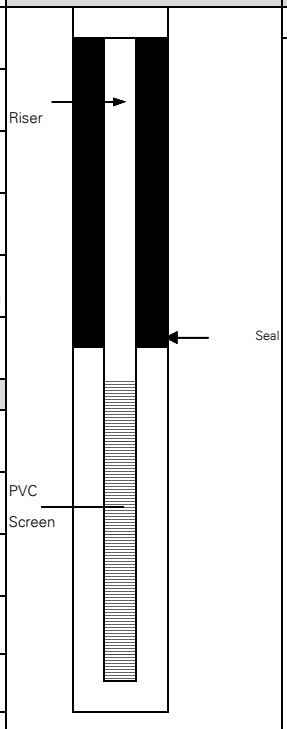
Geoprobe 54LT was used to advance the boring to approximately 20 feet bgs. A two-inch (2") PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid 2" PVC riser. Well screen was installed from approximately 9 to 19 feet bgs with riser from 9 feet bgs to surface.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Peristaltic	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Langan	**MAX PUMP RATE**	.2 GPM	Well developed from 13.00 - 13.10 until the well was purged dry. The well was allowed to recharge before sampling.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	1 gallon	

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
	N/A	0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
	N/A	6
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
	N/A	8
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
	N/A	9.0
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)**
	N/A	19
SCREEN LENGTH		10
SLOT SIZE		No. 20 Slot; 0.020 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
See Soil Boring Logs	0
	6
	8
	9
	19

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
N/A	8/1/2022	15.2 ft
		ft

ATTACHMENT 3

GROUNDWATER SAMPLING LOGS

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	450 Johnson Avenue	**Well No:**	TMW10	**Water Quality Device Model:**	Horiba	**Weather:**	Cloudy, 80s		TMW10_080122
Project Number:	170588003	**Well Depth:**	19	**Pine Number:**	48986	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	450 Johnson Avenue	**Well Diameter:**	1 in	**Pump Make and Model:**	linist Peristaltic Pur	**PID Beneath Inner Cap (ppm):**	0		
Sampling	Liz Mcconnell	**Well Screen**	10 ft	**Pine Number:**	45086	**Pump Intake Depth:**	17.00	**Sample Date:**	8/1/2022
Personnel:		**Interval:**		**Tubing Diameter:**		**Depth to Water Before Purge:**	15.2	**Sample Time:**	

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:00	20.48	6.70	21	3.370	1000.0	0.52			0.5		**N/A**
13:05	21.24	6.70	-22	2.550	1000.0	7.16		0.1	1	Well pumped dry	**N/A**
13:10								0.2			**N**
13:15											**N**
13:20											**N**
13:25											**N**
13:30											**N**
13:35											**N**
13:40											**N**
13:45											**N**
13:50											**N**
13:55											**N**
14:00											**N**
14:05											**N**
14:10											**N**
14:15											**N**
14:20											**N**
14:25											**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	450 Johnson Avenue	**Well No:**	TMW09	**Water Quality Device Model:**	Horiba	**Weather:**	Cloudy, 80s		TMW09_080122
Project Number:	170588003	**Well Depth:**	19	**Pine Number:**	48986	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	450 Johnson Avenue	**Well Diameter:**	1 in	**Pump Make and Model:**	linist Peristaltic Pur	**PID Beneath Inner Cap (ppm):**	0		
Sampling	Liz Mcconnell	**Well Screen**	10 ft	**Pine Number:**	45086	**Pump Intake Depth:**	17.00	**Sample Date:**	8/1/2022
Personnel:		**Interval:**	19-Sep	**Tubing Diameter:**		**Depth to Water Before Purge:**	9.9	**Sample Time:**	

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:15	21.73	6.49	-96	0.832	1000.0	1.62			0.25		**N/A**
11:20	20.11	7.02	-184	0.774	1000.0	0.44		0.07	0.6		**N/A**
11:25	19.40	7.23	-198	0.725	1000.0	0.25		0.08	1		**N**
11:30	19.34	7.28	-195	0.702	1000.0	0.24		0.12	1.6		**N**
11:35	19.28	7.27	-175	0.685	1000.0	0.23		0.03	1.75		**N**
11:40	19.24	7.22	-158	0.676	1000.0	0.08		0.1	2.25		**N**
11:45	19.21	7.21	-143	0.669	1000.0	0.13		0.07	2.6		**N**
11:50	19.17	7.21	-137	0.661	1000.0	0.08		0.06	2.9		**N**
11:55	19.29	7.24	-133	0.665	933.0	0.05		0.06	3.2		**Y**
12:00											**N**
12:05											**N**
12:10											**N**
12:15											**N**
12:20											**N**
12:25											**N**
12:30											**N**
12:35											**N**
12:40											**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

ATTACHMENT 4

SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01

PROJECT: 450 Johnson Ave	**PROJECT NO.:** 170588003	
LOCATION: 450 Johnson Ave	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 7/28/2022	**DATE FINISHED:** 7/28/2022
INSTALLATION FOREMAN: Ron Dixon	**SAMPLE DATE STARTED:** 8/1/2022	**DATE FINISHED:** 8/1/2022
INSTALLATION EQUIPMENT: Geoprobe® 54LT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: TJ Malgieri	**SAMPLER:** Liz McConnell	
POTENTIAL SAMPLE INTERFERENCES: Rain during and the day before sampling event - potential excess moisture	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 68-79 Wind: 3-10 mph NE Precipitation: Drizzle Pressure: 30.02 in	

METHOD OF INSTALLATION AND PURGING:

Advanced Geoprobe 54LT to 16 feet below grade surface (bgs), install 2-inch polyethylene soil vapor probe at about 13 feet bgs, backfill with No. 2 sand to 11 feet bgs, seal with hydrated bentonite to 10 feet bgs, backfill with No. 2 sand to 1 foot bgs, and seal to surface with hydrated bentonite, purged using MultiRAE (0.2 L/min); integrity of seal was tested via a helium tracer test.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Asphalt
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2in	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1.00	
PURGE FLOW RATE (ML/MIN):	200	
PID AFTER PURGE (PPM):	0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	15.7%	16.4%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%
SAMPLE START TIME:	12:19	
SAMPLE STOP TIME:	14:24	
TOTAL SAMPLE TIME (MIN):	125	
REGULATOR FLOW RATE (L/MIN):	0.04	
VOLUME OF SAMPLE (LITERS):	5	
PID AFTER SAMPLE (PPM):	0	
SAMPLE MOISTURE CONTENT:	0	
CAN SERIAL NUMBER:	2328	
REGULATOR SERIAL NUMBER:	1451	
CAN START VACUUM PRESS. (" HG):	-29.94	
CAN STOP VACUUM PRESS. (" HG):	-5.35	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE		
Top of Seal	10	
Top of Pack	11	
Probe Depth	13	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSV04

PROJECT: 450 Johnson Ave	**PROJECT NO.:** 170588003	
LOCATION: 450 Johnson Ave	**SURFACE ELEVATION AND DATUM:** N/A	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 7/28/2022	**DATE FINISHED:** 7/28/2022
INSTALLATION FOREMAN: Ron Dixon	**SAMPLE DATE STARTED:** 8/1/2022	**DATE FINISHED:** 8/1/2022
INSTALLATION EQUIPMENT: Geoprobe® 54LT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister	
INSPECTOR: TJ Malgieri	**SAMPLER:** Liz McConnell	
POTENTIAL SAMPLE INTERFERENCES: Temporary groundwater monitoring well in the same room not sealed - sand pack at surface.	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 68-79 Wind: 3-10 mph NE Precipitation: Drizzle (Indoors - not exposed) Pressure: 30.02 in	

METHOD OF INSTALLATION AND PURGING:
Advanced Geoprobe 54LT to 15 feet below grade surface (bgs), install 2-inch polyethylene soil vapor probe at about 1 feet bgs, backfill with No. 2 sand to 0.75 feet bgs, seal with hydrated bentonite to surface, purged using MultiRAE (0.2 L/min); integrity of seal was tested via a helium tracer test.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** Concrete
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2in	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	1.00
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	9.9

HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	13.6%	0.0%
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%

SAMPLE START TIME:	8:19
SAMPLE STOP TIME:	16:36
TOTAL SAMPLE TIME (MIN):	497
REGULATOR FLOW RATE (L/MIN):	10ml
VOLUME OF SAMPLE (LITERS):	4.97
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	0
CAN SERIAL NUMBER:	2321
REGULATOR SERIAL NUMBER:	2157
CAN START VACUUM PRESS. (" HG):	-30.25
CAN STOP VACUUM PRESS. (" HG):	-7.31

SAMPLE LOCATION SKETCH

See Sample Location Plan

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE	SURFACE		
	Top of Seal	0	
	Top of Pack	0.75	
	Tube Depth	1	

NOTES

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ATTACHMENT 5

LABORATORY ANALYTICAL RESULTS

JOB: L2240498 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0150: Volatiles Matrix Spike Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0230: Semivolatiles Matrix Spike Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1060: Metals Serial Dilution Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2240498
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	450 JOHNSON AVE
Project Number:	170588003
Report Date:	08/03/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2240498-01	SB-18_1-3	SOIL	BROOKLYN, NY	07/28/22 09:03	07/28/22
L2240498-02	SB-18_8-10	SOIL	BROOKLYN, NY	07/28/22 09:30	07/28/22
L2240498-03	SB-19_1-3	SOIL	BROOKLYN, NY	07/28/22 10:20	07/28/22
L2240498-04	SB-19_8-10	SOIL	BROOKLYN, NY	07/28/22 10:36	07/28/22
L2240498-05	SB-20_1-3	SOIL	BROOKLYN, NY	07/28/22 11:44	07/28/22
L2240498-06	SB-20_8-10	SOIL	BROOKLYN, NY	07/28/22 11:56	07/28/22
L2240498-07	SB-20_28-30	SOIL	BROOKLYN, NY	07/28/22 12:15	07/28/22
L2240498-08	SODUP01_072822	SOIL	BROOKLYN, NY	07/28/22 00:00	07/28/22
L2240498-09	TB01_072822	WATER	BROOKLYN, NY	07/28/22 00:00	07/28/22
L2240498-10	FB01_072822	WATER	BROOKLYN, NY	07/28/22 15:30	07/28/22

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

Case Narrative

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

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

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

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

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

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

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

Case Narrative (continued)

Report Submission

August 03, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics

The WG1669809-4/-5 MS/MSD recoveries, performed on L2240498-03, are outside the acceptance criteria for fluoranthene (0%/0%), benzo(a)anthracene (0% MS), benzo(a)pyrene (0% MS), benzo(b)fluoranthene (0% MS), benzo(k)fluoranthene (0% MS), chrysene (0% MS), anthracene (7% MS), benzo(ghi)perylene (0% MS), phenanthrene (0% MS), indeno(1,2,3-cd)pyrene (0% MS), pyrene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.
The WG1669809-4/-5 MS/MSD recoveries, performed on L2240498-03, are below the acceptance criteria for 3,3'-dichlorobenzidine (0%/6%),hexachlorocyclopentadiene (0%/0%), benzoic acid (0% MS) due to the concentration of these compounds in the MS/MSD falling below the reported detection limit.

Total Metals

L2240498-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1669729-3/-4 MS/MSD recoveries for aluminum (502%/714%), calcium (0%/0%), copper (0%/0%), iron (1120%/0%), lead (0%/0%), manganese (502%/633%) and zinc (0%/41%), performed on L2240498-03, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1669729-3/-4 MS/MSD recoveries, performed on L2240498-03, are outside the acceptance criteria for cobalt (68%MSD), nickel (54%/57%) and thallium (56%/66%). A post digestion spike was performed and

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

Case Narrative (continued)

yielded unacceptable recoveries for cobalt (74%MSD), nickel (72%) and thallium (66%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1669729-3/-4 MS/MSD recoveries, performed on L2240498-03, are outside the acceptance criteria for chromium (64%/34%) and magnesium (8%/39%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (73%) and magnesium (72%). The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1669729-3/-4 MS/MSD recoveries, performed on L2240498-03, are outside the acceptance criteria for antimony (67%/65%), arsenic (54%MSD), barium (43%31%), cadmium (41%/35%), selenium (74%MSD) and vanadium (58%MSD). A post digestion spike was performed and was within acceptance criteria.

The WG1669729-4 MS/MSD RPDs for arsenic (21%), iron (42%) and zinc (38%), performed on L2240498-03, are above the acceptance criteria.

The WG1669730-3/-4 MS/MSD recoveries, performed on L2240498-03, are outside the acceptance criteria for mercury (177%/24%). A post digestion spike was performed and was within acceptance criteria.

The WG1669730-4 MS/MSD RPD for mercury (54%), performed on L2240498-03, is above the acceptance criteria.

Cyanide, Total

The WG1669664-2/-3 LCS/LCSD recoveries for cyanide, total (63%/69%), associated with L2240498-01, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1669943-2/-3 LCS/LCSD recoveries for cyanide, total (73%/79%), associated with L2240498-02 through -08, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 08/03/22

ORGANICS

VOLATILES

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/22 01:54
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Bromodichloromethane	ND		ug/kg	0.76	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.1	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01 Date Collected: 07/28/22 09:03

Client ID: SB-18_1-3 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.3	1
Carbon disulfide	ND		ug/kg	15	6.9	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	1.9	J	ug/kg	6.1	0.99	1
Acrylonitrile	ND		ug/kg	6.1	1.7	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	1.2	J	ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	97		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 06:40
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02 Date Collected: 07/28/22 09:30

Client ID: SB-18_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	96	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 07:03
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	1.2		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03 Date Collected: 07/28/22 10:20

Client ID: SB-19_1-3 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	0.17	J	ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	0.17	J	ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.19	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.19	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 07:27
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04 Date Collected: 07/28/22 10:36

Client ID: SB-19_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	14		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.2	1
2-Butanone	4.6	J	ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 07:50
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	1.0		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05 Date Collected: 07/28/22 11:44

Client ID: SB-20_1-3 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 08:13
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.1	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	7.3		ug/kg	0.71	0.28	1
Chlorobenzene	ND		ug/kg	0.71	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.99	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.71	0.24	1
Bromodichloromethane	ND		ug/kg	0.71	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.71	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.71	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.71	0.23	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.71	0.24	1
Benzene	ND		ug/kg	0.71	0.24	1
Toluene	ND		ug/kg	1.4	0.77	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.8	0.83	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06 Date Collected: 07/28/22 11:56

Client ID: SB-20_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.71	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.80	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.71	0.19	1
Bromobenzene	ND		ug/kg	2.8	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.8	0.17	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	45		ug/kg	5.7	0.92	1
Acrylonitrile	ND		ug/kg	5.7	1.6	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.48	1
1,4-Dioxane	ND		ug/kg	110	50.	1
p-Diethylbenzene	0.47	J	ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.55	1
1,2,4,5-Tetramethylbenzene	0.77	J	ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	91		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 08:36
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	1.4		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07 Date Collected: 07/28/22 12:15

Client ID: SB-20_28-30 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	9.6		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	9.6		ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.85	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	1.1	J	ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/02/22 08:59
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08 Date Collected: 07/28/22 00:00

Client ID: SODUP01_072822 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	19		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	7.5	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-09
Client ID: TB01_072822
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/03/22 08:54
Analyst: PD

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-09 Date Collected: 07/28/22 00:00

Client ID: TB01_072822 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: 450 JOHNSON AVE
Lab Number: L2240498
Project Number: 170588003
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-09
Client ID: TB01_072822
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1670327-12					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1670327-12					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1670327-12					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 05:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-08 Batch: WG1670327-5					
Methylene chloride	2.6	J	ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 05:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-08 Batch: WG1670327-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 05:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-08 Batch: WG1670327-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	90		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1670694-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1670694-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 08:33
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1670694-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1670327-10 WG1670327-11								
Methylene chloride	85		84		70-130	1		30
1,1-Dichloroethane	82		83		70-130	1		30
Chloroform	79		81		70-130	3		30
Carbon tetrachloride	80		82		70-130	2		30
1,2-Dichloropropane	92		91		70-130	1		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	95		94		70-130	1		30
Chlorobenzene	92		89		70-130	3		30
Trichlorofluoromethane	72		73		70-139	1		30
1,2-Dichloroethane	79		79		70-130	0		30
1,1,1-Trichloroethane	83		83		70-130	0		30
Bromodichloromethane	86		86		70-130	0		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	89		89		70-130	0		30
Bromoform	105		101		70-130	4		30
1,1,2,2-Tetrachloroethane	94		86		70-130	9		30
Benzene	89		89		70-130	0		30
Toluene	91		89		70-130	2		30
Ethylbenzene	91		90		70-130	1		30
Chloromethane	83		83		52-130	0		30
Bromomethane	77		76		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1670327-10 WG1670327-11								
Vinyl chloride	76		73		67-130	4		30
Chloroethane	66		66		50-151	0		30
1,1-Dichloroethene	83		82		65-135	1		30
trans-1,2-Dichloroethene	85		84		70-130	1		30
Trichloroethene	101		105		70-130	4		30
1,2-Dichlorobenzene	92		87		70-130	6		30
1,3-Dichlorobenzene	92		88		70-130	4		30
1,4-Dichlorobenzene	92		86		70-130	7		30
Methyl tert butyl ether	101		100		66-130	1		30
p/m-Xylene	93		92		70-130	1		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	85		86		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	90		88		70-130	2		30
Dichlorodifluoromethane	70		68		30-146	3		30
Acetone	99		98		54-140	1		30
Carbon disulfide	83		83		59-130	0		30
2-Butanone	93		**149**	Q	70-130	**46**	Q	30
Vinyl acetate	**62**	Q	**53**	Q	70-130	16		30
4-Methyl-2-pentanone	109		108		70-130	1		30
1,2,3-Trichloropropane	102		98		68-130	4		30
2-Hexanone	108		105		70-130	3		30
Bromochloromethane	86		86		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1670327-10 WG1670327-11								
2,2-Dichloropropane	82		81		70-130	1		30
1,2-Dibromoethane	105		102		70-130	3		30
1,3-Dichloropropane	100		99		69-130	1		30
1,1,1,2-Tetrachloroethane	91		90		70-130	1		30
Bromobenzene	95		90		70-130	5		30
n-Butylbenzene	94		88		70-130	7		30
sec-Butylbenzene	95		90		70-130	5		30
tert-Butylbenzene	95		90		70-130	5		30
o-Chlorotoluene	106		101		70-130	5		30
p-Chlorotoluene	94		89		70-130	5		30
1,2-Dibromo-3-chloropropane	104		100		68-130	4		30
Hexachlorobutadiene	92		88		67-130	4		30
Isopropylbenzene	96		91		70-130	5		30
p-Isopropyltoluene	96		91		70-130	5		30
Naphthalene	105		99		70-130	6		30
Acrylonitrile	105		102		70-130	3		30
n-Propylbenzene	94		89		70-130	5		30
1,2,3-Trichlorobenzene	94		88		70-130	7		30
1,2,4-Trichlorobenzene	96		88		70-130	9		30
1,3,5-Trimethylbenzene	95		91		70-130	4		30
1,2,4-Trimethylbenzene	96		91		70-130	5		30
1,4-Dioxane	94		92		65-136	2		30
p-Diethylbenzene	92		87		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1670327-10 WG1670327-11								
p-Ethyltoluene	96		91		70-130	5		30
1,2,4,5-Tetramethylbenzene	88		83		70-130	6		30
Ethyl ether	98		97		67-130	1		30
trans-1,4-Dichloro-2-butene	102		97		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		84		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	89		88		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-08 Batch: WG1670327-3 WG1670327-4								
Methylene chloride	89		92		70-130	3		30
1,1-Dichloroethane	80		83		70-130	4		30
Chloroform	79		81		70-130	3		30
Carbon tetrachloride	93		93		70-130	0		30
1,2-Dichloropropane	84		85		70-130	1		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	89		85		70-130	5		30
Tetrachloroethene	95		90		70-130	5		30
Chlorobenzene	90		89		70-130	1		30
Trichlorofluoromethane	77		77		70-139	0		30
1,2-Dichloroethane	**68**	Q	70		70-130	3		30
1,1,1-Trichloroethane	83		83		70-130	0		30
Bromodichloromethane	79		80		70-130	1		30
trans-1,3-Dichloropropene	87		82		70-130	6		30
cis-1,3-Dichloropropene	79		77		70-130	3		30
1,1-Dichloropropene	89		88		70-130	1		30
Bromoform	91		96		70-130	5		30
1,1,2,2-Tetrachloroethane	88		82		70-130	7		30
Benzene	88		88		70-130	0		30
Toluene	88		82		70-130	7		30
Ethylbenzene	90		86		70-130	5		30
Chloromethane	78		81		52-130	4		30
Bromomethane	84		83		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-08 Batch: WG1670327-3 WG1670327-4								
Vinyl chloride	78		79		67-130	1		30
Chloroethane	71		74		50-151	4		30
1,1-Dichloroethene	88		87		65-135	1		30
trans-1,2-Dichloroethene	87		88		70-130	1		30
Trichloroethene	90		96		70-130	6		30
1,2-Dichlorobenzene	86		87		70-130	1		30
1,3-Dichlorobenzene	87		89		70-130	2		30
1,4-Dichlorobenzene	88		88		70-130	0		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	93		88		70-130	6		30
o-Xylene	91		93		70-130	2		30
cis-1,2-Dichloroethene	86		88		70-130	2		30
Dibromomethane	78		80		70-130	3		30
Styrene	87		86		70-130	1		30
Dichlorodifluoromethane	76		72		30-146	5		30
Acetone	72		74		54-140	3		30
Carbon disulfide	87		86		59-130	1		30
2-Butanone	77		76		70-130	1		30
Vinyl acetate	72		**58**	Q	70-130	22		30
4-Methyl-2-pentanone	87		83		70-130	5		30
1,2,3-Trichloropropane	82		84		68-130	2		30
2-Hexanone	80		73		70-130	9		30
Bromochloromethane	85		87		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-08 Batch: WG1670327-3 WG1670327-4								
2,2-Dichloropropane	85		85		70-130	0		30
1,2-Dibromoethane	93		90		70-130	3		30
1,3-Dichloropropane	88		90		69-130	2		30
1,1,1,2-Tetrachloroethane	85		81		70-130	5		30
Bromobenzene	90		94		70-130	4		30
n-Butylbenzene	92		88		70-130	4		30
sec-Butylbenzene	90		97		70-130	7		30
tert-Butylbenzene	89		97		70-130	9		30
o-Chlorotoluene	87		89		70-130	2		30
p-Chlorotoluene	85		86		70-130	1		30
1,2-Dibromo-3-chloropropane	96		94		68-130	2		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	91		92		70-130	1		30
p-Isopropyltoluene	92		95		70-130	3		30
Naphthalene	92		100		70-130	8		30
Acrylonitrile	90		94		70-130	4		30
n-Propylbenzene	90		90		70-130	0		30
1,2,3-Trichlorobenzene	89		93		70-130	4		30
1,2,4-Trichlorobenzene	96		99		70-130	3		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	88		98		70-130	11		30
1,4-Dioxane	86		82		65-136	5		30
p-Diethylbenzene	92		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-08 Batch: WG1670327-3 WG1670327-4								
p-Ethyltoluene	91		95		70-130	4		30
1,2,4,5-Tetramethylbenzene	82		86		70-130	5		30
Ethyl ether	93		95		67-130	2		30
trans-1,4-Dichloro-2-butene	76		76		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		79		70-130
Toluene-d8	97		92		70-130
4-Bromofluorobenzene	92		102		70-130
Dibromofluoromethane	91		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1670694-3 WG1670694-4								
Methylene chloride	96		95		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	96		94		63-132	2		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	83		84		63-130	1		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	89		85		70-130	5		20
cis-1,3-Dichloropropene	92		88		70-130	4		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	72		72		54-136	0		20
1,1,2,2-Tetrachloroethane	93		91		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	100		99		64-130	1		20
Bromomethane	92		95		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1670694-3 WG1670694-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	85		89		63-130	5		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	96		99		70-130	3		20
1,2,3-Trichloropropane	94		94		64-130	0		20
Acrylonitrile	89		95		70-130	7		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	95		120		58-148	**23**	Q	20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	90		110		63-138	20		20
Vinyl acetate	97		100		70-130	3		20
4-Methyl-2-pentanone	84		83		59-130	1		20
2-Hexanone	78		79		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1670694-3 WG1670694-4								
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	93		93		63-133	0		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	94		93		64-130	1		20
Bromobenzene	100		98		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	73		73		41-144	0		20
Hexachlorobutadiene	120		100		63-130	18		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	86		83		70-130	4		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	100		95		70-130	5		20
1,2,4-Trichlorobenzene	100		96		70-130	4		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	92		94		56-162	2		20
p-Diethylbenzene	110		100		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1670694-3 WG1670694-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	98		92		70-130	6		20
Ethyl ether	94		99		59-134	5		20
trans-1,4-Dichloro-2-butene	90		87		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	105		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	97		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670327-6 WG1670327-7 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Methylene chloride	ND	106	65	**61**	Q	100	**65**	Q	70-130	**46**	Q	30
1,1-Dichloroethane	ND	106	86	81		130	80		70-130	**39**	Q	30
Chloroform	ND	106	76	71		120	72		70-130	**41**	Q	30
Carbon tetrachloride	ND	106	94	88		140	88		70-130	**40**	Q	30
1,2-Dichloropropane	ND	106	87	82		130	81		70-130	**39**	Q	30
Dibromochloromethane	ND	106	68	**64**	Q	110	**69**	Q	70-130	**47**	Q	30
1,1,2-Trichloroethane	ND	106	76	71		120	74		70-130	**44**	Q	30
Tetrachloroethene	1.2	106	91	85		140	86		70-130	**42**	Q	30
Chlorobenzene	ND	106	57	**53**	Q	91	**57**	Q	70-130	**46**	Q	30
Trichlorofluoromethane	ND	106	87	82		130	80		70-139	**38**	Q	30
1,2-Dichloroethane	ND	106	50	**47**	Q	84	**52**	Q	70-130	**49**	Q	30
1,1,1-Trichloroethane	ND	106	97	91		140	87		70-130	**36**	Q	30
Bromodichloromethane	ND	106	69	**65**	Q	110	**67**	Q	70-130	**43**	Q	30
trans-1,3-Dichloropropene	ND	106	32	**30**	Q	64	**40**	Q	70-130	**67**	Q	30
cis-1,3-Dichloropropene	ND	106	42	**40**	Q	76	**47**	Q	70-130	**56**	Q	30
1,1-Dichloropropene	ND	106	87	82		140	86		70-130	**44**	Q	30
Bromoform	ND	106	64	**60**	Q	110	**69**	Q	70-130	**54**	Q	30
1,1,2,2-Tetrachloroethane	ND	106	80	76		130	81		70-130	**47**	Q	30
Benzene	ND	106	85	80		130	80		70-130	**40**	Q	30
Toluene	ND	106	79	74		120	76		70-130	**43**	Q	30
Ethylbenzene	ND	106	76	71		120	72		70-130	**42**	Q	30
Chloromethane	ND	106	100	94		150	91		52-130	**37**	Q	30
Bromomethane	ND	106	78	74		120	72		57-147	**39**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670327-6 WG1670327-7 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Vinyl chloride	ND	106	90	84		140	86		67-130	**42**	Q	30
Chloroethane	ND	106	73	69		110	70		50-151	**42**	Q	30
1,1-Dichloroethene	ND	106	89	84		140	86		65-135	**42**	Q	30
trans-1,2-Dichloroethene	ND	106	68	**64**	Q	110	71		70-130	**50**	Q	30
Trichloroethene	0.24J	106	75	70		120	74		70-130	**45**	Q	30
1,2-Dichlorobenzene	ND	106	40	**38**	Q	67	**42**	Q	70-130	**51**	Q	30
1,3-Dichlorobenzene	ND	106	39	**37**	Q	66	**41**	Q	70-130	**51**	Q	30
1,4-Dichlorobenzene	ND	106	32	**30**	Q	55	**35**	Q	70-130	**52**	Q	30
Methyl tert butyl ether	ND	106	98	92		150	92		66-130	**41**	Q	30
p/m-Xylene	ND	212	150	71		230	71		70-130	**41**	Q	30
o-Xylene	ND	212	160	74		230	73		70-130	**39**	Q	30
cis-1,2-Dichloroethene	0.17J	106	62	**58**	Q	100	**64**	Q	70-130	**50**	Q	30
Dibromomethane	ND	106	42	**39**	Q	75	**47**	Q	70-130	**57**	Q	30
Styrene	ND	212	94	**44**	Q	150	**47**	Q	70-130	**47**	Q	30
Dichlorodifluoromethane	ND	106	85	80		130	82		30-146	**44**	Q	30
Acetone	ND	106	86	80		120	74		54-140	**32**	Q	30
Carbon disulfide	ND	106	73	69		120	76		59-130	**50**	Q	30
2-Butanone	ND	106	72	**67**	Q	110	**68**	Q	70-130	**41**	Q	30
Vinyl acetate	ND	106	21	**20**	Q	37	**23**	Q	70-130	**53**	Q	30
4-Methyl-2-pentanone	ND	106	91	86		140	89		70-130	**44**	Q	30
1,2,3-Trichloropropane	ND	106	73	69		120	74		68-130	**47**	Q	30
2-Hexanone	ND	106	66	**62**	Q	110	**68**	Q	70-130	**48**	Q	30
Bromochloromethane	ND	106	54	**51**	Q	91	**57**	Q	70-130	**51**	Q	30

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670327-6 WG1670327-7 QC Sample: L2240498-03 Client ID: SB-19_1-3												
2,2-Dichloropropane	ND	106	95	89		140	87		70-130	**38**	Q	30
1,2-Dibromoethane	ND	106	43	**40**	Q	80	**50**	Q	70-130	**60**	Q	30
1,3-Dichloropropane	ND	106	60	**57**	Q	100	**62**	Q	69-130	**50**	Q	30
1,1,1,2-Tetrachloroethane	ND	106	85	80		130	78		70-130	**38**	Q	30
Bromobenzene	ND	106	45	**43**	Q	78	**48**	Q	70-130	**52**	Q	30
n-Butylbenzene	ND	106	57	**53**	Q	100	**62**	Q	70-130	**56**	Q	30
sec-Butylbenzene	ND	106	83	78		140	86		70-130	**49**	Q	30
tert-Butylbenzene	ND	106	97	91		150	94		70-130	**43**	Q	30
o-Chlorotoluene	ND	106	70	**66**	Q	110	70		70-130	**46**	Q	30
p-Chlorotoluene	ND	106	51	**48**	Q	84	**53**	Q	70-130	**50**	Q	30
1,2-Dibromo-3-chloropropane	ND	106	59	**55**	Q	100	**63**	Q	68-130	**53**	Q	30
Hexachlorobutadiene	ND	106	61	**57**	Q	110	69		67-130	**59**	Q	30
Isopropylbenzene	ND	106	94	88		150	91		70-130	**44**	Q	30
p-Isopropyltoluene	ND	106	77	72		130	78		70-130	**48**	Q	30
Naphthalene	ND	106	21	**20**	Q	34	**21**	Q	70-130	**47**	Q	30
Acrylonitrile	ND	106	69	**65**	Q	110	71		70-130	**49**	Q	30
n-Propylbenzene	ND	106	75	70		120	76		70-130	**48**	Q	30
1,2,3-Trichlorobenzene	ND	106	21	**19**	Q	36	**22**	Q	70-130	**54**	Q	30
1,2,4-Trichlorobenzene	ND	106	19	**18**	Q	34	**21**	Q	70-130	**54**	Q	30
1,3,5-Trimethylbenzene	ND	106	82	78		130	80		70-130	**43**	Q	30
1,2,4-Trimethylbenzene	ND	106	72	**68**	Q	110	71		70-130	**45**	Q	30
1,4-Dioxane	ND	5310	5100	96		7800	97		65-136	**42**	Q	30
p-Diethylbenzene	ND	106	58	**55**	Q	99	**62**	Q	70-130	**52**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670327-6 WG1670327-7 QC Sample: L2240498-03 Client ID: SB-19_1-3												
p-Ethyltoluene	ND	106	73	**68**	Q	120	73		70-130	**47**	Q	30
1,2,4,5-Tetramethylbenzene	ND	106	52	**49**	Q	86	**54**	Q	70-130	**49**	Q	30
Ethyl ether	ND	106	85	80		130	82		67-130	**42**	Q	30
trans-1,4-Dichloro-2-butene	ND	106	20	**19**	Q	47	**29**	Q	70-130	**80**	Q	30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		84		70-130
4-Bromofluorobenzene	105		108		70-130
Dibromofluoromethane	88		89		70-130
Toluene-d8	101		103		70-130

SEMIVOLATILES

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01 D
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 16:07
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3200		ug/kg	1500	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1800	210	10
Hexachlorobenzene	ND		ug/kg	1100	200	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	250	10
2-Chloronaphthalene	ND		ug/kg	1800	180	10
1,2-Dichlorobenzene	ND		ug/kg	1800	330	10
1,3-Dichlorobenzene	ND		ug/kg	1800	320	10
1,4-Dichlorobenzene	ND		ug/kg	1800	320	10
3,3'-Dichlorobenzidine	ND		ug/kg	1800	490	10
2,4-Dinitrotoluene	ND		ug/kg	1800	370	10
2,6-Dinitrotoluene	ND		ug/kg	1800	310	10
Fluoranthene	69000		ug/kg	1100	210	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1800	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1800	280	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2200	310	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	180	10
Hexachlorobutadiene	ND		ug/kg	1800	270	10
Hexachlorocyclopentadiene	ND		ug/kg	5200	1700	10
Hexachloroethane	ND		ug/kg	1500	300	10
Isophorone	ND		ug/kg	1600	240	10
Naphthalene	1600	J	ug/kg	1800	220	10
Nitrobenzene	ND		ug/kg	1600	270	10
NDPA/DPA	ND		ug/kg	1500	210	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1800	280	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1800	630	10
Butyl benzyl phthalate	ND		ug/kg	1800	460	10
Di-n-butylphthalate	ND		ug/kg	1800	350	10
Di-n-octylphthalate	ND		ug/kg	1800	620	10

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01 D Date Collected: 07/28/22 09:03
Client ID: SB-18_1-3 Date Received: 07/28/22
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1800	170	10
Dimethyl phthalate	ND		ug/kg	1800	380	10
Benzo(a)anthracene	33000		ug/kg	1100	210	10
Benzo(a)pyrene	28000		ug/kg	1500	450	10
Benzo(b)fluoranthene	39000		ug/kg	1100	310	10
Benzo(k)fluoranthene	13000		ug/kg	1100	290	10
Chrysene	35000		ug/kg	1100	190	10
Acenaphthylene	4300		ug/kg	1500	280	10
Anthracene	9200		ug/kg	1100	360	10
Benzo(ghi)perylene	16000		ug/kg	1500	220	10
Fluorene	6500		ug/kg	1800	180	10
Phenanthrene	58000		ug/kg	1100	220	10
Dibenzo(a,h)anthracene	5200		ug/kg	1100	210	10
Indeno(1,2,3-cd)pyrene	21000		ug/kg	1500	260	10
Pyrene	51000		ug/kg	1100	180	10
Biphenyl	380	J	ug/kg	4200	240	10
4-Chloroaniline	ND		ug/kg	1800	330	10
2-Nitroaniline	ND		ug/kg	1800	350	10
3-Nitroaniline	ND		ug/kg	1800	340	10
4-Nitroaniline	ND		ug/kg	1800	760	10
Dibenzofuran	3600		ug/kg	1800	170	10
2-Methylnaphthalene	970	J	ug/kg	2200	220	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1800	190	10
Acetophenone	ND		ug/kg	1800	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	350	10
p-Chloro-m-cresol	ND		ug/kg	1800	270	10
2-Chlorophenol	ND		ug/kg	1800	220	10
2,4-Dichlorophenol	ND		ug/kg	1600	290	10
2,4-Dimethylphenol	ND		ug/kg	1800	600	10
2-Nitrophenol	ND		ug/kg	4000	690	10
4-Nitrophenol	ND		ug/kg	2600	750	10
2,4-Dinitrophenol	ND		ug/kg	8800	850	10
4,6-Dinitro-o-cresol	ND		ug/kg	4800	880	10
Pentachlorophenol	ND		ug/kg	1500	400	10
Phenol	ND		ug/kg	1800	280	10
2-Methylphenol	ND		ug/kg	1800	280	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2600	290	10

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01 D
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1800	350	10
Benzoic Acid	ND		ug/kg	5900	1800	10
Benzyl Alcohol	ND		ug/kg	1800	560	10
Carbazole	7000		ug/kg	1800	180	10
1,4-Dioxane	ND		ug/kg	280	84.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	75		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/22 22:53
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	94	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1400		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	80	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02 Date Collected: 07/28/22 09:30

Client ID: SB-18_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	720		ug/kg	120	22.	1
Benzo(a)pyrene	750		ug/kg	160	48.	1
Benzo(b)fluoranthene	850		ug/kg	120	33.	1
Benzo(k)fluoranthene	320		ug/kg	120	32.	1
Chrysene	670		ug/kg	120	21.	1
Acenaphthylene	49	J	ug/kg	160	31.	1
Anthracene	200		ug/kg	120	39.	1
Benzo(ghi)perylene	320		ug/kg	160	23.	1
Fluorene	91	J	ug/kg	200	19.	1
Phenanthrene	840		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	86	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	400		ug/kg	160	28.	1
Pyrene	1300		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	60	J	ug/kg	200	19.	1
2-Methylnaphthalene	34	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	79	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	76		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/22 23:17
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	34	J	ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	6000		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	240		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	55	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03 Date Collected: 07/28/22 10:20

Client ID: SB-19_1-3 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	3100		ug/kg	110	21.	1
Benzo(a)pyrene	3100		ug/kg	150	46.	1
Benzo(b)fluoranthene	3700		ug/kg	110	32.	1
Benzo(k)fluoranthene	1400		ug/kg	110	30.	1
Chrysene	3000		ug/kg	110	20.	1
Acenaphthylene	270		ug/kg	150	29.	1
Anthracene	1000		ug/kg	110	37.	1
Benzo(ghi)perylene	1400		ug/kg	150	22.	1
Fluorene	240		ug/kg	190	18.	1
Phenanthrene	3700		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	150	26.	1
Pyrene	5500		ug/kg	110	19.	1
Biphenyl	36	J	ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	140	J	ug/kg	190	18.	1
2-Methylnaphthalene	140	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	30	J	ug/kg	270	30.	1

Project Name: 450 JOHNSON AVE
Lab Number: L2240498
Project Number: 170588003
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	410		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	62		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/22 23:40
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	660		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04 Date Collected: 07/28/22 10:36

Client ID: SB-19_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	310		ug/kg	110	21.	1
Benzo(a)pyrene	290		ug/kg	150	46.	1
Benzo(b)fluoranthene	310		ug/kg	110	32.	1
Benzo(k)fluoranthene	120		ug/kg	110	30.	1
Chrysene	300		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	110		ug/kg	110	37.	1
Benzo(ghi)perylene	130	J	ug/kg	150	22.	1
Fluorene	43	J	ug/kg	190	18.	1
Phenanthrene	450		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	26.	1
Pyrene	630		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	24	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 450 JOHNSON AVE
Lab Number: L2240498
Project Number: 170588003
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	43	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	125		10-136
4-Terphenyl-d14	91		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 00:04
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	68	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	2200		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	49	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05 Date Collected: 07/28/22 11:44

Client ID: SB-20_1-3 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	1200		ug/kg	120	22.	1
Benzo(a)pyrene	1200		ug/kg	160	48.	1
Benzo(b)fluoranthene	1400		ug/kg	120	33.	1
Benzo(k)fluoranthene	440		ug/kg	120	31.	1
Chrysene	1200		ug/kg	120	20.	1
Acenaphthylene	43	J	ug/kg	160	30.	1
Anthracene	220		ug/kg	120	38.	1
Benzo(ghi)perylene	560		ug/kg	160	23.	1
Fluorene	56	J	ug/kg	200	19.	1
Phenanthrene	1000		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	140		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	680		ug/kg	160	27.	1
Pyrene	2300		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	35	J	ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 450 JOHNSON AVE
Lab Number: L2240498
Project Number: 170588003
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	110	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	85		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 00:27
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	52	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06 Date Collected: 07/28/22 11:56

Client ID: SB-20_8-10 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	31	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	34	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	28	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	24	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	46	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	66		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 00:51
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	77	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	540		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	32	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07 Date Collected: 07/28/22 12:15

Client ID: SB-20_28-30 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	220		ug/kg	110	20.	1
Benzo(a)pyrene	190		ug/kg	150	44.	1
Benzo(b)fluoranthene	220		ug/kg	110	31.	1
Benzo(k)fluoranthene	84	J	ug/kg	110	29.	1
Chrysene	220		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	99	J	ug/kg	110	36.	1
Benzo(ghi)perylene	76	J	ug/kg	150	21.	1
Fluorene	57	J	ug/kg	180	18.	1
Phenanthrene	540		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	22	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	96	J	ug/kg	150	25.	1
Pyrene	480		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	42	J	ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	46	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	80		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 01:14
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	32	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	560		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240498

Project Number: 170588003 **Report Date:** 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08 Date Collected: 07/28/22 00:00

Client ID: SODUP01_072822 Date Received: 07/28/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	250		ug/kg	110	22.	1
Benzo(a)pyrene	230		ug/kg	150	47.	1
Benzo(b)fluoranthene	270		ug/kg	110	32.	1
Benzo(k)fluoranthene	89	J	ug/kg	110	31.	1
Chrysene	240		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	90	J	ug/kg	110	37.	1
Benzo(ghi)perylene	92	J	ug/kg	150	22.	1
Fluorene	30	J	ug/kg	190	19.	1
Phenanthrene	340		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	27.	1
Pyrene	500		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	18	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 450 JOHNSON AVE
Lab Number: L2240498
Project Number: 170588003
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	27	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	71		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 20:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1669809-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 20:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1669809-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 20:32
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 13:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1669809-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1669809-2 WG1669809-3								
Acenaphthene	71		70		31-137	1		50
1,2,4-Trichlorobenzene	70		67		38-107	4		50
Hexachlorobenzene	73		72		40-140	1		50
Bis(2-chloroethyl)ether	69		65		40-140	6		50
2-Chloronaphthalene	72		70		40-140	3		50
1,2-Dichlorobenzene	66		62		40-140	6		50
1,3-Dichlorobenzene	65		61		40-140	6		50
1,4-Dichlorobenzene	66		63		28-104	5		50
3,3'-Dichlorobenzidine	62		65		40-140	5		50
2,4-Dinitrotoluene	86		86		40-132	0		50
2,6-Dinitrotoluene	87		86		40-140	1		50
Fluoranthene	75		73		40-140	3		50
4-Chlorophenyl phenyl ether	72		72		40-140	0		50
4-Bromophenyl phenyl ether	73		71		40-140	3		50
Bis(2-chloroisopropyl)ether	69		66		40-140	4		50
Bis(2-chloroethoxy)methane	73		72		40-117	1		50
Hexachlorobutadiene	67		65		40-140	3		50
Hexachlorocyclopentadiene	86		83		40-140	4		50
Hexachloroethane	71		68		40-140	4		50
Isophorone	72		69		40-140	4		50
Naphthalene	68		65		40-140	5		50
Nitrobenzene	84		81		40-140	4		50
NDPA/DPA	75		74		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1669809-2 WG1669809-3								
n-Nitrosodi-n-propylamine	73		71		32-121	3		50
Bis(2-ethylhexyl)phthalate	82		80		40-140	2		50
Butyl benzyl phthalate	86		83		40-140	4		50
Di-n-butylphthalate	79		78		40-140	1		50
Di-n-octylphthalate	82		81		40-140	1		50
Diethyl phthalate	76		75		40-140	1		50
Dimethyl phthalate	75		74		40-140	1		50
Benzo(a)anthracene	70		70		40-140	0		50
Benzo(a)pyrene	74		73		40-140	1		50
Benzo(b)fluoranthene	72		72		40-140	0		50
Benzo(k)fluoranthene	72		70		40-140	3		50
Chrysene	68		68		40-140	0		50
Acenaphthylene	73		73		40-140	0		50
Anthracene	73		73		40-140	0		50
Benzo(ghi)perylene	73		73		40-140	0		50
Fluorene	76		74		40-140	3		50
Phenanthrene	71		70		40-140	1		50
Dibenzo(a,h)anthracene	70		71		40-140	1		50
Indeno(1,2,3-cd)pyrene	82		82		40-140	0		50
Pyrene	74		73		35-142	1		50
Biphenyl	73		72		37-127	1		50
4-Chloroaniline	68		70		40-140	3		50
2-Nitroaniline	100		104		47-134	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1669809-2 WG1669809-3								
3-Nitroaniline	77		78		26-129	1		50
4-Nitroaniline	92		90		41-125	2		50
Dibenzofuran	72		70		40-140	3		50
2-Methylnaphthalene	73		71		40-140	3		50
1,2,4,5-Tetrachlorobenzene	73		71		40-117	3		50
Acetophenone	70		68		14-144	3		50
2,4,6-Trichlorophenol	85		83		30-130	2		50
p-Chloro-m-cresol	83		82		26-103	1		50
2-Chlorophenol	74		72		25-102	3		50
2,4-Dichlorophenol	81		79		30-130	3		50
2,4-Dimethylphenol	78		75		30-130	4		50
2-Nitrophenol	108		107		30-130	1		50
4-Nitrophenol	94		93		11-114	1		50
2,4-Dinitrophenol	112		115		4-130	3		50
4,6-Dinitro-o-cresol	116		112		10-130	4		50
Pentachlorophenol	89		87		17-109	2		50
Phenol	70		68		26-90	3		50
2-Methylphenol	76		74		30-130.	3		50
3-Methylphenol/4-Methylphenol	77		75		30-130	3		50
2,4,5-Trichlorophenol	87		86		30-130	1		50
Benzoic Acid	56		72		10-110	25		50
Benzyl Alcohol	76		73		40-140	4		50
Carbazole	76		75		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1669809-2 WG1669809-3								
1,4-Dioxane	60		56		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		75		25-120
Phenol-d6	84		80		10-120
Nitrobenzene-d5	94		92		23-120
2-Fluorobiphenyl	76		74		30-120
2,4,6-Tribromophenol	101		98		10-136
4-Terphenyl-d14	79		76		18-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1669809-4 WG1669809-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Acenaphthene	190	1500	810	41		1100	60		31-137	30		50
1,2,4-Trichlorobenzene	ND	1500	760	51		830	55		38-107	9		50
Hexachlorobenzene	ND	1500	620	41		780	52		40-140	23		50
Bis(2-chloroethyl)ether	ND	1500	790	53		840	56		40-140	6		50
2-Chloronaphthalene	ND	1500	720	48		810	54		40-140	12		50
1,2-Dichlorobenzene	ND	1500	740	49		800	53		40-140	8		50
1,3-Dichlorobenzene	ND	1500	730	49		780	52		40-140	7		50
1,4-Dichlorobenzene	34J	1500	760	51		820	54		28-104	8		50
3,3'-Dichlorobenzidine	ND	1500	ND	**0**	Q	87J	**6**	Q	40-140	NC		50
2,4-Dinitrotoluene	ND	1500	810	54		900	59		40-132	11		50
2,6-Dinitrotoluene	ND	1500	850	57		900	59		40-140	6		50
Fluoranthene	6000	1500	4300	**0**	Q	5500	**0**	Q	40-140	24		50
4-Chlorophenyl phenyl ether	ND	1500	690	46		820	54		40-140	17		50
4-Bromophenyl phenyl ether	ND	1500	670	45		800	53		40-140	18		50
Bis(2-chloroisopropyl)ether	ND	1500	780	52		860	57		40-140	10		50
Bis(2-chloroethoxy)methane	ND	1500	790	53		860	57		40-117	8		50
Hexachlorobutadiene	ND	1500	740	49		830	55		40-140	11		50
Hexachlorocyclopentadiene	ND	1500	ND	**0**	Q	ND	**0**	Q	40-140	NC		50
Hexachloroethane	ND	1500	770	51		790	52		40-140	3		50
Isophorone	ND	1500	750	50		820	54		40-140	9		50
Naphthalene	240	1500	930	46		1100	57		40-140	17		50
Nitrobenzene	ND	1500	960	64		1000	66		40-140	4		50
NDPA/DPA	ND	1500	700	47		850	56		36-157	19		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1669809-4 WG1669809-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
n-Nitrosodi-n-propylamine	ND	1500	800	53		860	57		32-121	7		50
Bis(2-ethylhexyl)phthalate	220	1500	780	**37**	Q	1200	65		40-140	42		50
Butyl benzyl phthalate	ND	1500	760	51		890	59		40-140	16		50
Di-n-butylphthalate	55J	1500	780	52		960	63		40-140	21		50
Di-n-octylphthalate	ND	1500	650	43		910	60		40-140	33		50
Diethyl phthalate	ND	1500	720	48		860	57		40-140	18		50
Dimethyl phthalate	ND	1500	720	48		810	54		40-140	12		50
Benzo(a)anthracene	3100	1500	2200	**0**	Q	3300	**13**	Q	40-140	40		50
Benzo(a)pyrene	3100	1500	2600	**0**	Q	3500	**26**	Q	40-140	30		50
Benzo(b)fluoranthene	3700	1500	2900	**0**	Q	3900	**13**	Q	40-140	29		50
Benzo(k)fluoranthene	1400	1500	1400	**0**	Q	1900	**33**	Q	40-140	30		50
Chrysene	3000	1500	2200	**0**	Q	3300	**20**	Q	40-140	40		50
Acenaphthylene	270	1500	940	45		1000	48		40-140	6		50
Anthracene	1000	1500	1100	**7**	Q	1600	40		40-140	37		50
Benzo(ghi)perylene	1400	1500	1400	**0**	Q	2200	53		40-140	44		50
Fluorene	240	1500	840	40		1100	57		40-140	27		50
Phenanthrene	3700	1500	2700	**0**	Q	4200	**33**	Q	40-140	43		50
Dibenzo(a,h)anthracene	340	1500	630	**19**	Q	1100	50		40-140	**54**	Q	50
Indeno(1,2,3-cd)pyrene	1700	1500	1600	**0**	Q	2600	59		40-140	48		50
Pyrene	5500	1500	4000	**0**	Q	5300	**0**	Q	35-142	28		50
Biphenyl	36J	1500	760	51		860	57		37-127	12		50
4-Chloroaniline	ND	1500	340	**23**	Q	410	**27**	Q	40-140	19		50
2-Nitroaniline	ND	1500	980	65		1200	79		47-134	20		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1669809-4 WG1669809-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
3-Nitroaniline	ND	1500	550	37		740	49		26-129	29		50
4-Nitroaniline	ND	1500	550	**37**	Q	740	49		41-125	29		50
Dibenzofuran	140J	1500	750	50		950	63		40-140	24		50
2-Methylnaphthalene	140J	1500	850	57		1000	66		40-140	16		50
1,2,4,5-Tetrachlorobenzene	ND	1500	740	49		840	56		40-117	13		50
Acetophenone	ND	1500	790	53		850	56		14-144	7		50
2,4,6-Trichlorophenol	ND	1500	820	55		950	63		30-130	15		50
p-Chloro-m-cresol	ND	1500	790	53		900	59		26-103	13		50
2-Chlorophenol	ND	1500	780	52		850	56		25-102	9		50
2,4-Dichlorophenol	ND	1500	780	52		880	58		30-130	12		50
2,4-Dimethylphenol	ND	1500	730	49		820	54		30-130	12		50
2-Nitrophenol	ND	1500	1200	80		1200	79		30-130	0		50
4-Nitrophenol	ND	1500	620	41		750	50		11-114	19		50
2,4-Dinitrophenol	ND	1500	190J	13		150J	10		4-130	24		50
4,6-Dinitro-o-cresol	ND	1500	510	34		380J	25		10-130	29		50
Pentachlorophenol	ND	1500	710	47		880	58		17-109	21		50
Phenol	ND	1500	710	47		800	53		26-90	12		50
2-Methylphenol	ND	1500	760	51		840	56		30-130.	10		50
3-Methylphenol/4-Methylphenol	30J	1500	780	52		880	58		30-130	12		50
2,4,5-Trichlorophenol	ND	1500	770	51		920	61		30-130	18		50
Benzoic Acid	ND	1500	ND	**0**	Q	240J	16		10-110	NC		50
Benzyl Alcohol	ND	1500	800	53		890	59		40-140	11		50
Carbazole	410	1500	1000	**39**	Q	1300	59		54-128	26		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1669809-4 WG1669809-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
1,4-Dioxane	ND	1500	660	44		670	44		40-140	2		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	61		75		10-136
2-Fluorobiphenyl	50		56		30-120
2-Fluorophenol	55		58		25-120
4-Terphenyl-d14	44		53		18-120
Nitrobenzene-d5	71		76		23-120
Phenol-d6	55		61		10-120

METALS

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5240		mg/kg	8.69	2.34	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.34	0.330	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Arsenic, Total	4.35		mg/kg	0.869	0.181	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Barium, Total	39.8		mg/kg	0.869	0.151	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Beryllium, Total	0.304	J	mg/kg	0.434	0.029	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Cadmium, Total	0.869		mg/kg	0.869	0.085	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Calcium, Total	1540		mg/kg	8.69	3.04	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Chromium, Total	11.9		mg/kg	0.869	0.083	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Cobalt, Total	4.96		mg/kg	1.74	0.144	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Copper, Total	17.5		mg/kg	0.869	0.224	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Iron, Total	13900		mg/kg	4.34	0.784	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Lead, Total	167		mg/kg	4.34	0.233	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Magnesium, Total	1480		mg/kg	8.69	1.34	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Manganese, Total	345		mg/kg	0.869	0.138	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Mercury, Total	2.12		mg/kg	0.070	0.046	1	08/02/22 11:30	08/02/22 22:20	EPA 7471B	1,7471B	DMB
Nickel, Total	8.59		mg/kg	2.17	0.210	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Potassium, Total	615		mg/kg	217	12.5	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Selenium, Total	0.287	J	mg/kg	1.74	0.224	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.869	0.246	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Sodium, Total	217		mg/kg	174	2.74	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Vanadium, Total	20.1		mg/kg	0.869	0.176	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
Zinc, Total	256		mg/kg	4.34	0.254	2	08/02/22 08:00	08/03/22 10:33	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.89	0.89	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4260		mg/kg	9.27	2.50	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.63	0.352	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Arsenic, Total	6.03		mg/kg	0.927	0.193	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Barium, Total	61.7		mg/kg	0.927	0.161	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Beryllium, Total	0.278	J	mg/kg	0.463	0.031	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Cadmium, Total	0.778	J	mg/kg	0.927	0.091	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Calcium, Total	1510		mg/kg	9.27	3.24	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Chromium, Total	12.8		mg/kg	0.927	0.089	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Cobalt, Total	6.42		mg/kg	1.85	0.154	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Copper, Total	46.0		mg/kg	0.927	0.239	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Iron, Total	15200		mg/kg	4.63	0.837	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Lead, Total	278		mg/kg	4.63	0.248	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Magnesium, Total	1450		mg/kg	9.27	1.43	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Manganese, Total	266		mg/kg	0.927	0.147	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Mercury, Total	4.04		mg/kg	0.759	0.495	10	08/02/22 11:30	08/02/22 23:36	EPA 7471B	1,7471B	DMB
Nickel, Total	9.80		mg/kg	2.32	0.224	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Potassium, Total	660		mg/kg	232	13.3	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	1.85	0.239	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.927	0.262	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Sodium, Total	126	J	mg/kg	185	2.92	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.85	0.292	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Vanadium, Total	19.9		mg/kg	0.927	0.188	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
Zinc, Total	166		mg/kg	4.63	0.272	2	08/02/22 08:00	08/03/22 10:37	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.96	0.96	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4670		mg/kg	8.91	2.40	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Antimony, Total	5.98		mg/kg	4.46	0.338	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Arsenic, Total	10.9		mg/kg	0.891	0.185	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Barium, Total	258		mg/kg	0.891	0.155	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Beryllium, Total	0.312	J	mg/kg	0.446	0.029	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Cadmium, Total	4.09		mg/kg	0.891	0.087	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Calcium, Total	4320		mg/kg	8.91	3.12	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Chromium, Total	28.3		mg/kg	0.891	0.086	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Cobalt, Total	6.79		mg/kg	1.78	0.148	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Copper, Total	194		mg/kg	0.891	0.230	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Iron, Total	27700		mg/kg	4.46	0.804	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Lead, Total	386		mg/kg	4.46	0.239	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Magnesium, Total	1920		mg/kg	8.91	1.37	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Manganese, Total	369		mg/kg	0.891	0.142	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Mercury, Total	2.63		mg/kg	0.722	0.471	10	08/02/22 11:30	08/02/22 23:26	EPA 7471B	1,7471B	DMB
Nickel, Total	27.8		mg/kg	2.23	0.216	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Potassium, Total	592		mg/kg	223	12.8	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Selenium, Total	0.820	J	mg/kg	1.78	0.230	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Silver, Total	0.695	J	mg/kg	0.891	0.252	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Sodium, Total	325		mg/kg	178	2.81	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.78	0.281	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Vanadium, Total	32.4		mg/kg	0.891	0.181	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
Zinc, Total	423		mg/kg	4.46	0.261	2	08/02/22 08:00	08/03/22 10:00	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	28		mg/kg	0.92	0.92	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4520		mg/kg	8.71	2.35	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Antimony, Total	1.69	J	mg/kg	4.36	0.331	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Arsenic, Total	8.31		mg/kg	0.871	0.181	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Barium, Total	186		mg/kg	0.871	0.152	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Beryllium, Total	0.305	J	mg/kg	0.436	0.029	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Cadmium, Total	1.09		mg/kg	0.871	0.085	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Calcium, Total	2730		mg/kg	8.71	3.05	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Chromium, Total	16.6		mg/kg	0.871	0.084	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Cobalt, Total	4.99		mg/kg	1.74	0.145	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Copper, Total	94.7		mg/kg	0.871	0.225	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Iron, Total	14900		mg/kg	4.36	0.787	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Lead, Total	533		mg/kg	4.36	0.234	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Magnesium, Total	1220		mg/kg	8.71	1.34	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Manganese, Total	162		mg/kg	0.871	0.138	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Mercury, Total	2.43		mg/kg	0.074	0.048	1	08/02/22 11:30	08/02/22 22:27	EPA 7471B	1,7471B	DMB
Nickel, Total	17.5		mg/kg	2.18	0.211	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Potassium, Total	705		mg/kg	218	12.5	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Selenium, Total	0.749	J	mg/kg	1.74	0.225	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Silver, Total	0.357	J	mg/kg	0.871	0.247	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Sodium, Total	205		mg/kg	174	2.74	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Vanadium, Total	26.8		mg/kg	0.871	0.177	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
Zinc, Total	222		mg/kg	4.36	0.255	2	08/02/22 08:00	08/03/22 10:42	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.92	0.92	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5960		mg/kg	9.29	2.51	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Antimony, Total	0.539	J	mg/kg	4.65	0.353	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Arsenic, Total	29.7		mg/kg	0.929	0.193	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Barium, Total	78.6		mg/kg	0.929	0.162	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Beryllium, Total	0.344	J	mg/kg	0.465	0.031	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Cadmium, Total	0.716	J	mg/kg	0.929	0.091	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Calcium, Total	22800		mg/kg	9.29	3.25	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Chromium, Total	10.9		mg/kg	0.929	0.089	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Cobalt, Total	4.44		mg/kg	1.86	0.154	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Copper, Total	31.0		mg/kg	0.929	0.240	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Iron, Total	12200		mg/kg	4.65	0.839	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Lead, Total	239		mg/kg	4.65	0.249	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Magnesium, Total	2640		mg/kg	9.29	1.43	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Manganese, Total	348		mg/kg	0.929	0.148	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Mercury, Total	1.21		mg/kg	0.076	0.050	1	08/02/22 11:30	08/02/22 22:37	EPA 7471B	1,7471B	DMB
Nickel, Total	9.84		mg/kg	2.32	0.225	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Potassium, Total	631		mg/kg	232	13.4	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Selenium, Total	1.35	J	mg/kg	1.86	0.240	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.929	0.263	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Sodium, Total	333		mg/kg	186	2.93	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.86	0.293	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Vanadium, Total	19.6		mg/kg	0.929	0.189	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
Zinc, Total	100		mg/kg	4.65	0.272	2	08/02/22 08:00	08/03/22 10:47	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11		mg/kg	0.96	0.96	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5740		mg/kg	8.42	2.27	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Arsenic, Total	3.55		mg/kg	0.842	0.175	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Barium, Total	51.8		mg/kg	0.842	0.146	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Beryllium, Total	0.345	J	mg/kg	0.421	0.028	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Cadmium, Total	0.598	J	mg/kg	0.842	0.083	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Calcium, Total	999		mg/kg	8.42	2.95	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Chromium, Total	11.6		mg/kg	0.842	0.081	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Cobalt, Total	5.71		mg/kg	1.68	0.140	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Copper, Total	18.0		mg/kg	0.842	0.217	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Iron, Total	14200		mg/kg	4.21	0.760	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Lead, Total	95.1		mg/kg	4.21	0.226	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Magnesium, Total	1240		mg/kg	8.42	1.30	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Manganese, Total	473		mg/kg	0.842	0.134	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Mercury, Total	0.464		mg/kg	0.070	0.046	1	08/02/22 11:30	08/02/22 22:40	EPA 7471B	1,7471B	DMB
Nickel, Total	10.5		mg/kg	2.10	0.204	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Potassium, Total	470		mg/kg	210	12.1	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.842	0.238	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Sodium, Total	138	J	mg/kg	168	2.65	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Vanadium, Total	25.5		mg/kg	0.842	0.171	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
Zinc, Total	50.1		mg/kg	4.21	0.247	2	08/02/22 08:00	08/03/22 10:51	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.90	0.90	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3510		mg/kg	8.65	2.34	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.32	0.329	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Arsenic, Total	2.57		mg/kg	0.865	0.180	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Barium, Total	22.7		mg/kg	0.865	0.150	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Beryllium, Total	0.286	J	mg/kg	0.432	0.029	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Cadmium, Total	0.908		mg/kg	0.865	0.085	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Calcium, Total	757		mg/kg	8.65	3.03	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Chromium, Total	13.2		mg/kg	0.865	0.083	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Cobalt, Total	4.21		mg/kg	1.73	0.144	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Copper, Total	13.5		mg/kg	0.865	0.223	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Iron, Total	22700		mg/kg	4.32	0.781	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Lead, Total	11.1		mg/kg	4.32	0.232	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Magnesium, Total	1080		mg/kg	8.65	1.33	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Manganese, Total	196		mg/kg	0.865	0.138	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Mercury, Total	ND		mg/kg	0.070	0.046	1	08/02/22 11:30	08/02/22 22:44	EPA 7471B	1,7471B	DMB
Nickel, Total	7.69		mg/kg	2.16	0.209	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Potassium, Total	502		mg/kg	216	12.4	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	1.73	0.223	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.865	0.245	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Sodium, Total	103	J	mg/kg	173	2.72	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.73	0.272	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Vanadium, Total	22.0		mg/kg	0.865	0.176	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
Zinc, Total	20.6		mg/kg	4.32	0.253	2	08/02/22 08:00	08/03/22 10:56	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.89	0.89	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY
Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5900		mg/kg	8.99	2.43	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.50	0.342	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Arsenic, Total	2.80		mg/kg	0.899	0.187	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Barium, Total	39.2		mg/kg	0.899	0.156	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Beryllium, Total	0.440	J	mg/kg	0.450	0.030	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Cadmium, Total	0.854	J	mg/kg	0.899	0.088	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Calcium, Total	699		mg/kg	8.99	3.15	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Chromium, Total	14.9		mg/kg	0.899	0.086	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Cobalt, Total	7.70		mg/kg	1.80	0.149	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Copper, Total	12.0		mg/kg	0.899	0.232	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Iron, Total	20600		mg/kg	4.50	0.812	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Lead, Total	14.0		mg/kg	4.50	0.241	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Magnesium, Total	1200		mg/kg	8.99	1.38	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Manganese, Total	494		mg/kg	0.899	0.143	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Mercury, Total	0.627		mg/kg	0.073	0.048	1	08/02/22 11:30	08/02/22 22:47	EPA 7471B	1,7471B	DMB
Nickel, Total	9.56		mg/kg	2.25	0.218	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Potassium, Total	571		mg/kg	225	12.9	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	1.80	0.232	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.899	0.254	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Sodium, Total	85.8	J	mg/kg	180	2.83	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.80	0.283	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Vanadium, Total	24.1		mg/kg	0.899	0.182	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
Zinc, Total	45.6		mg/kg	4.50	0.263	2	08/02/22 08:00	08/03/22 11:01	EPA 3050B	1,6010D	NB
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.94	0.94	1		08/03/22 13:05	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1669729-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Barium, Total	ND		mg/kg	0.400	0.070	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Copper, Total	ND		mg/kg	0.400	0.103	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Iron, Total	0.416	J	mg/kg	2.00	0.361	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Lead, Total	ND		mg/kg	2.00	0.107	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Potassium, Total	ND		mg/kg	100	5.76	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Silver, Total	ND		mg/kg	0.400	0.113	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Sodium, Total	2.83	J	mg/kg	80.0	1.26	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/02/22 08:00	08/03/22 09:37	1,6010D	NB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1669730-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/02/22 11:30	08/02/22 21:58	1,7471B	DMB

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1669729-2 SRM Lot Number: D113-540								
Aluminum, Total	77		-		51-149	-		
Antimony, Total	159		-		20-250	-		
Arsenic, Total	98		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	90		-		75-125	-		
Calcium, Total	94		-		73-128	-		
Chromium, Total	95		-		70-130	-		
Cobalt, Total	95		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	103		-		36-164	-		
Lead, Total	92		-		72-128	-		
Magnesium, Total	89		-		63-138	-		
Manganese, Total	93		-		77-123	-		
Nickel, Total	92		-		70-130	-		
Potassium, Total	89		-		59-141	-		
Selenium, Total	94		-		66-134	-		
Silver, Total	94		-		70-131	-		
Sodium, Total	96		-		35-164	-		
Thallium, Total	89		-		70-130	-		
Vanadium, Total	97		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1669729-2 SRM Lot Number: D113-540					
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1669730-2 SRM Lot Number: D113-540					
Mercury, Total	99	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1669729-3 WG1669729-4 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Aluminum, Total	4670	179	5570	**502**	Q	5920	**714**	Q	75-125	6		20
Antimony, Total	5.98	44.8	36.1	**67**	Q	34.3	**65**	Q	75-125	5		20
Arsenic, Total	10.9	10.8	20.4	88		16.6	**54**	Q	75-125	**21**	Q	20
Barium, Total	258	179	336	**43**	Q	312	**31**	Q	75-125	7		20
Beryllium, Total	0.312J	4.48	4.08	91		3.84	88		75-125	6		20
Cadmium, Total	4.09	4.75	6.02	**41**	Q	5.70	**35**	Q	75-125	5		20
Calcium, Total	4320	896	3820	**0**	Q	3970	**0**	Q	75-125	4		20
Chromium, Total	28.3	17.9	39.7	**64**	Q	34.3	**34**	Q	75-125	15		20
Cobalt, Total	6.79	44.8	41.3	77		36.7	**68**	Q	75-125	12		20
Copper, Total	194	22.4	131	**0**	Q	136	**0**	Q	75-125	4		20
Iron, Total	27700	89.6	28700	**1120**	Q	18700	**0**	Q	75-125	**42**	Q	20
Lead, Total	386	47.5	309	**0**	Q	254	**0**	Q	75-125	20		20
Magnesium, Total	1920	896	1990	**8**	Q	2260	**39**	Q	75-125	13		20
Manganese, Total	369	44.8	594	**502**	Q	646	**633**	Q	75-125	8		20
Nickel, Total	27.8	44.8	52.1	**54**	Q	52.7	**57**	Q	75-125	1		20
Potassium, Total	592	896	1380	88		1360	88		75-125	1		20
Selenium, Total	0.820J	10.8	8.68	81		7.73	**74**	Q	75-125	12		20
Silver, Total	0.695J	26.9	22.2	82		20.8	79		75-125	7		20
Sodium, Total	325	896	1140	91		1020	79		75-125	11		20
Thallium, Total	ND	10.8	6.05	**56**	Q	5.76	**55**	Q	75-125	5		20
Vanadium, Total	32.4	44.8	68.9	81		58.0	**58**	Q	75-125	17		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1669729-3 WG1669729-4 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Zinc, Total	423	44.8	301	**0**	Q	441	**41**	Q	75-125	**38**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1669730-3 WG1669730-4 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Mercury, Total	2.63	1.44	5.18	**177**	Q	2.99	**24**	Q	80-120	**54**	Q	20

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1669729-6 QC Sample: L2240498-03 Client ID: SB-19_1-3						
Aluminum, Total	4670	5230	mg/kg	12		20
Barium, Total	258	292	mg/kg	13		20
Calcium, Total	4320	4880	mg/kg	13		20
Chromium, Total	28.3	32.3	mg/kg	14		20
Copper, Total	194	208	mg/kg	7		20
Iron, Total	27700	33000	mg/kg	19		20
Lead, Total	386	447	mg/kg	16		20
Magnesium, Total	1920	2310	mg/kg	20		20
Manganese, Total	369	426	mg/kg	15		20
Vanadium, Total	32.4	36.7	mg/kg	13		20
Zinc, Total	423	483	mg/kg	14		20

INORGANICS
&
MISCELLANEOUS

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-01
Client ID: SB-18_1-3
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil
Date Collected: 07/28/22 09:03
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/01/22 11:40	08/02/22 08:19	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.894	0.179	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-02
Client ID: SB-18_8-10
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 09:30
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	08/02/22 03:20	08/02/22 10:14	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.964	0.193	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-03
Client ID: SB-19_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/28/22 10:20
Date Received: 07/28/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	0.43	J	mg/kg	1.0	0.22	1	08/02/22 03:20	08/02/22 10:15	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.920	0.184	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-04
Client ID: SB-19_8-10
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 10:36
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	0.29	J	mg/kg	1.1	0.24	1	08/02/22 03:20	08/02/22 10:20	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-05
Client ID: SB-20_1-3
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 11:44
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/02/22 03:20	08/02/22 10:21	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.963	0.192	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-06
Client ID: SB-20_8-10
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 11:56
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/02/22 03:20	08/02/22 10:22	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.897	0.179	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-07
Client ID: SB-20_28-30
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 12:15
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/02/22 03:20	08/02/22 10:23	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.893	0.178	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

SAMPLE RESULTS

Lab ID: L2240498-08
Client ID: SODUP01_072822
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/28/22 00:00
Date Received: 07/28/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	07/29/22 07:33	121,2540G	RI
Cyanide, Total	0.38	J	mg/kg	1.1	0.24	1	08/02/22 03:20	08/02/22 10:24	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.938	0.188	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240498
Report Date: 08/03/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1669664-1										
Cyanide, Total	ND		mg/kg	0.90	0.19	1	08/01/22 11:40	08/02/22 08:15	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 02-08 Batch: WG1669943-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	08/02/22 03:20	08/02/22 10:10	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1670526-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/03/22 08:45	08/03/22 13:05	1,7196A	MC

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240498

Report Date: 08/03/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1669664-2 WG1669664-3								
Cyanide, Total	**63**	Q	**69**	Q	80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 02-08 Batch: WG1669943-2 WG1669943-3								
Cyanide, Total	**73**	Q	**79**	Q	80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1670526-2								
Chromium, Hexavalent	87		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1669664-4 WG1669664-5 QC Sample: L2240556-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	99		11	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 02-08 QC Batch ID: WG1669943-4 WG1669943-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Cyanide, Total	0.43J	11	10	86		11	95		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670526-4 WG1670526-5 QC Sample: L2240498-03 Client ID: SB-19_1-3												
Chromium, Hexavalent	ND	1190	1100	92		1140	90		75-125	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1668839-1 QC Sample: L2240446-01 Client ID: DUP Sample						
Solids, Total	94.5	93.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1670526-7 QC Sample: L2240498-03 Client ID: SB-19_1-3						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240498-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-01B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-01C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-01D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2240498-01E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-01F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-01G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-01H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-01I	Glass 250ml/8oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-01J	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-02B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-02C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-02D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2240498-02E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240498-02F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-02G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-02H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-02I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-03A1	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-03A2	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-03B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03B1	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03B2	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03C1	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03C2	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-03D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TRICR-CALC(30),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2240498-03D1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TRICR-CALC(30),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2240498-03D2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TRICR-CALC(30),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2240498-03E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-03E1	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-03E2	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240498-03F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-03F1	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-03F2	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-03G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03G1	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03G2	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-03H1	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-03H2	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-03I	Glass 250ml/8oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03J	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03J1	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-03J2	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-04B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-04C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-04D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2240498-04E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-04F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-04G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-04H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-04I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-05A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240498-05B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-05C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-05D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2240498-05E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-05F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-05G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-05H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-05I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-06A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-06B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-06C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-06D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2240498-06E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-06F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-06G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-06H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-06I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-07A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-07B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-07C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240498
Report Date: 08/03/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240498-07D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2240498-07E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-07F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-07G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-07H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-07I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240498-08A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2240498-08B	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-08C	Vial water preserved	A	NA		2.8	Y	Absent	29-JUL-22 07:19	NYTCL-8260HLW(14)
L2240498-08D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2240498-08E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2240498-08F	Plastic 2oz unpreserved for TS	C	NA		3.4	Y	Absent		TS(7)
L2240498-08G	Glass 120ml/4oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-08H	Plastic 8oz unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)
L2240498-08I	Glass 500ml/16oz unpreserved	B	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240498-09A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2240498-09B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2240498-10A	Plastic 250ml unpreserved	C	NA		3.4	Y	Absent		HOLD-537(14)

*Values in parentheses indicate holding time in days

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

Data Qualifiers

Identified Compounds (TICs).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240498
Project Number:	170588003	**Report Date:**	08/03/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 7/28/22

ALPHA Job #: L2240498

Project Information

Project Name: 450 Johnson Ave
Project Location: Brooklyn, NY
Project #: 170588003
(Use Project name as Project #) [X]
Project Manager: Paul McMahon
ALPHAQuote #:

Client Information

Client: Langan
Address: NYC
Phone: 212-479-5400
Fax: LMcConnell@langan.com
Email: PMcMahon@langan.com

Turn Around Time

Standard [X]
Rush (only if pre approved) [ ]
Due Date:
# of Days:

Deliverables

- [ ] ASP-A
- [X] ASP-B
- [ ] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Billing Information

[X] Same as Client Info
PO #

Regulatory Requirement

- [ ] NY TOGS
- [X] NY Part 375
- [ ] AWQ Standards
- [ ] NY CP-51
- [ ] NY Restricted Use
- [ ] Other
- [ ] NY Unrestricted Use
- [ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
- [ ] NJ
- [X] NY
- [ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please Include Data Management @Langan.com

Please specify Metals or TAL.

ANALYSIS

Columns: (1) Part 375 / TCL VOCs, SVOCs; (2) Pesticides, Herbicides; (3) PCBs, Part 375 / TAL Metals; (4) Hex + Tri Chromium; (5) Cyanide; (6) 1,4-Dioxane and PFAS; (7) [blank]; (8) TCLP Metals

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	Sample Specific Comments	Total Bottle
40498-01	SB18_1-3	7/28/22	9:05	S	TM	X	X	X	X	X	X		X	HOLD TCLP #	
02	SB18_8-10		9:30	S	VK	X	X	X	X	X	X				
03	SB19_1-3		10:20			X	X	X	X	X	X		X	MS/MSD + HOLD #	
04	SB19_8-10		10:36			X	X	X	X	X	X				
05	SB20_1-3		11:44			X	X	X	X	X	X				
06	SB20_8-10		11:56			X	X	X	X	X	X				
07	SB20_28-30		12:15			X	X	X	X	X	X				
08	SODUP01_072822					X	X	X	X	X	X				
09	TB01_072822			AQ		X								VOCs ONLY	
10	FB01_072822	7/28/22	1530	AQ	TM						X				

Container Type
Preservative

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/28/22 15:30	Bruce Jacobs AAL	7/28/22 1530
Bruce Jacobs AAL	7/28/22 15:30	Paul Mazzella	7/28/22 1645
Paul Mazzella	7/28/22	[signature] 7/28/22	
[signature]	7/28/22 [illegible]	[signature]	7/28/22 22:30

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

JOB: L2240863 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1060: Metals Serial Dilution Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1210: Wet Chemistry Method Blank Report - OK
1220: Wet Chemistry LCS Report - OK
1240: Wet Chemistry Matrix Spike Report - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2240863
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	450 JOHNSON AVE
Project Number:	170588003
Report Date:	08/10/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2240863-01	SB21_1-3	SOIL	BROOKLYN, NY	07/29/22 09:30	07/29/22
L2240863-02	SB21_13-15	SOIL	BROOKLYN, NY	07/29/22 09:45	07/29/22
L2240863-03	SB21_20-22	SOIL	BROOKLYN, NY	07/29/22 10:20	07/29/22
L2240863-04	SB22_1-3	SOIL	BROOKLYN, NY	07/29/22 11:30	07/29/22
L2240863-05	SB23_1-3	SOIL	BROOKLYN, NY	07/29/22 12:05	07/29/22
L2240863-06	SB23_13-15	SOIL	BROOKLYN, NY	07/29/22 12:15	07/29/22
L2240863-07	SB24_1-3	SOIL	BROOKLYN, NY	07/29/22 12:50	07/29/22
L2240863-08	SB24_13-15	SOIL	BROOKLYN, NY	07/29/22 13:00	07/29/22
L2240863-09	SB25_1-3	SOIL	BROOKLYN, NY	07/29/22 13:50	07/29/22
L2240863-10	SB25_8-10	SOIL	BROOKLYN, NY	07/29/22 14:00	07/29/22
L2240863-11	SB26_8-10	SOIL	BROOKLYN, NY	07/29/22 14:10	07/29/22
L2240863-12	SB26_13-15	SOIL	BROOKLYN, NY	07/29/22 14:25	07/29/22
L2240863-13	SOFB02_072922	WATER	BROOKLYN, NY	07/29/22 10:45	07/29/22
L2240863-14	TB02_072922	WATER	BROOKLYN, NY	07/29/22 00:00	07/29/22

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

Case Narrative

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

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

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

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

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

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

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

Case Narrative (continued)

Report Submission

August 10, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The project number and analyses performed were specified by the client.

L2240863-09: The collection date and time on the chain of custody was 29-JUL-22 13:50; however, the collection date/time on the container label was 29-JUL-22 13:25. At the client's request, the collection date/time is reported as 29-JUL-22 13:50.

L2240863-10: The sample identified as "SB28_8-10" on the chain of custody was identified as "SB25_8-10" on the container label. At the client's request, the sample is reported as "SB25_8-10".

L2240863-10: The collection date and time on the chain of custody was 29-JUL-22 14:00; however, the collection date/time on the container label was 29-JUL-22 13:50. At the client's request, the collection date/time is reported as 29-JUL-22 14:00.

Volatile Organics

L2240863-12: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (173%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

The WG1670128-2 LCS recovery, associated with L2240863-13, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

The WG1671427-2/-3 LCS/LCSD recoveries, associated with L2240863-10D, are below the acceptance

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

Case Narrative (continued)

criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L2240863-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 08/10/22

ORGANICS

VOLATILES

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 15:08
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01 Date Collected: 07/29/22 09:30

Client ID: SB21_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 15:34
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02 Date Collected: 07/29/22 09:45

Client ID: SB21_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	13		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 16:00
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03 Date Collected: 07/29/22 10:20

Client ID: SB21_20-22 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	19		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	2.7	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 16:26
Analyst: AJK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	3.5	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.3	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.35	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.76	0.30	1
Chlorobenzene	ND		ug/kg	0.76	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.1	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.39	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.25	1
Bromodichloromethane	ND		ug/kg	0.76	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.76	0.24	1
Bromoform	ND		ug/kg	6.1	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.25	1
Benzene	ND		ug/kg	0.76	0.25	1
Toluene	ND		ug/kg	1.5	0.82	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.1	1.4	1
Bromomethane	ND		ug/kg	3.0	0.88	1
Vinyl chloride	ND		ug/kg	1.5	0.51	1
Chloroethane	ND		ug/kg	3.0	0.69	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04 Date Collected: 07/29/22 11:30

Client ID: SB22_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.76	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	ND		ug/kg	3.0	0.85	1
o-Xylene	ND		ug/kg	1.5	0.44	1
Xylenes, Total	ND		ug/kg	1.5	0.44	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.21	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	ND		ug/kg	15	7.3	1
Carbon disulfide	ND		ug/kg	15	6.9	1
2-Butanone	ND		ug/kg	15	3.4	1
Vinyl acetate	ND		ug/kg	15	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.29	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.26	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	0.30	J	ug/kg	1.5	0.16	1
Naphthalene	2.1	J	ug/kg	6.1	0.99	1
Acrylonitrile	ND		ug/kg	6.1	1.7	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.49	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	1.0	J	ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	1.5	J	ug/kg	3.0	0.51	1
1,4-Dioxane	ND		ug/kg	120	53.	1
p-Diethylbenzene	2.0	J	ug/kg	3.0	0.27	1
p-Ethyltoluene	ND		ug/kg	3.0	0.58	1
1,2,4,5-Tetramethylbenzene	0.33	J	ug/kg	3.0	0.29	1
Ethyl ether	ND		ug/kg	3.0	0.52	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.6	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	105		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/22 00:33
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	400	180	1
1,1-Dichloroethane	ND		ug/kg	80	12.	1
Chloroform	ND		ug/kg	120	11.	1
Carbon tetrachloride	ND		ug/kg	80	18.	1
1,2-Dichloropropane	ND		ug/kg	80	10.	1
Dibromochloromethane	ND		ug/kg	80	11.	1
1,1,2-Trichloroethane	ND		ug/kg	80	21.	1
Tetrachloroethene	25000	E	ug/kg	40	16.	1
Chlorobenzene	ND		ug/kg	40	10.	1
Trichlorofluoromethane	ND		ug/kg	320	55.	1
1,2-Dichloroethane	ND		ug/kg	80	20.	1
1,1,1-Trichloroethane	ND		ug/kg	40	13.	1
Bromodichloromethane	ND		ug/kg	40	8.7	1
trans-1,3-Dichloropropene	ND		ug/kg	80	22.	1
cis-1,3-Dichloropropene	ND		ug/kg	40	13.	1
1,3-Dichloropropene, Total	ND		ug/kg	40	13.	1
1,1-Dichloropropene	ND		ug/kg	40	13.	1
Bromoform	ND		ug/kg	320	20.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	40	13.	1
Benzene	ND		ug/kg	40	13.	1
Toluene	ND		ug/kg	80	43.	1
Ethylbenzene	69	J	ug/kg	80	11.	1
Chloromethane	ND		ug/kg	320	74.	1
Bromomethane	ND		ug/kg	160	46.	1
Vinyl chloride	ND		ug/kg	80	27.	1
Chloroethane	ND		ug/kg	160	36.	1
1,1-Dichloroethene	ND		ug/kg	80	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05 Date Collected: 07/29/22 12:05

Client ID: SB23_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1400		ug/kg	40	11.	1
1,2-Dichlorobenzene	ND		ug/kg	160	11.	1
1,3-Dichlorobenzene	ND		ug/kg	160	12.	1
1,4-Dichlorobenzene	ND		ug/kg	160	14.	1
Methyl tert butyl ether	ND		ug/kg	160	16.	1
p/m-Xylene	150	J	ug/kg	160	45.	1
o-Xylene	ND		ug/kg	80	23.	1
Xylenes, Total	150	J	ug/kg	80	23.	1
cis-1,2-Dichloroethene	17	J	ug/kg	80	14.	1
1,2-Dichloroethene, Total	17	J	ug/kg	80	11.	1
Dibromomethane	ND		ug/kg	160	19.	1
Styrene	ND		ug/kg	80	16.	1
Dichlorodifluoromethane	ND		ug/kg	800	73.	1
Acetone	ND		ug/kg	800	380	1
Carbon disulfide	ND		ug/kg	800	360	1
2-Butanone	ND		ug/kg	800	180	1
Vinyl acetate	ND		ug/kg	800	170	1
4-Methyl-2-pentanone	ND		ug/kg	800	100	1
1,2,3-Trichloropropane	ND		ug/kg	160	10.	1
2-Hexanone	ND		ug/kg	800	94.	1
Bromochloromethane	ND		ug/kg	160	16.	1
2,2-Dichloropropane	ND		ug/kg	160	16.	1
1,2-Dibromoethane	ND		ug/kg	80	22.	1
1,3-Dichloropropane	ND		ug/kg	160	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	40	10.	1
Bromobenzene	ND		ug/kg	160	12.	1
n-Butylbenzene	75	J	ug/kg	80	13.	1
sec-Butylbenzene	15	J	ug/kg	80	12.	1
tert-Butylbenzene	ND		ug/kg	160	9.4	1
o-Chlorotoluene	ND		ug/kg	160	15.	1
p-Chlorotoluene	ND		ug/kg	160	8.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	240	80.	1
Hexachlorobutadiene	ND		ug/kg	320	13.	1
Isopropylbenzene	15	J	ug/kg	80	8.7	1
p-Isopropyltoluene	16	J	ug/kg	80	8.7	1
Naphthalene	74	J	ug/kg	320	52.	1
Acrylonitrile	ND		ug/kg	320	92.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	80		ug/kg	80	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	160	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	22.	1
1,3,5-Trimethylbenzene	48	J	ug/kg	160	15.	1
1,2,4-Trimethylbenzene	170		ug/kg	160	27.	1
1,4-Dioxane	ND		ug/kg	6400	2800	1
p-Diethylbenzene	ND		ug/kg	160	14.	1
p-Ethyltoluene	170		ug/kg	160	31.	1
1,2,4,5-Tetramethylbenzene	29	J	ug/kg	160	15.	1
Ethyl ether	ND		ug/kg	160	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	400	110	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05 D
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 22:30
Analyst: AJK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Tetrachloroethene	20000		ug/kg	200	78.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 16:52
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.25	1
Tetrachloroethene	9.8		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	29		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	0.43	J	ug/kg	1.4	0.13	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06 Date Collected: 07/29/22 12:15

Client ID: SB23_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.2		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	23		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	23	J	ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.85	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 17:18
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07 Date Collected: 07/29/22 12:50

Client ID: SB24_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.42	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.22	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	107		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 17:44
Analyst: AJK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08 Date Collected: 07/29/22 13:00

Client ID: SB24_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	28		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	5.0	J	ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 18:10
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.89	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.89	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.89	0.11	1
Dibromochloromethane	ND		ug/kg	0.89	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	0.24	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.89	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.15	1
Benzene	ND		ug/kg	0.44	0.15	1
Toluene	ND		ug/kg	0.89	0.48	1
Ethylbenzene	ND		ug/kg	0.89	0.12	1
Chloromethane	ND		ug/kg	3.5	0.83	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.89	0.30	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.89	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09 Date Collected: 07/29/22 13:50

Client ID: SB25_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.89	0.26	1
Xylenes, Total	ND		ug/kg	0.89	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.89	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.9	0.81	1
Acetone	ND		ug/kg	8.9	4.3	1
Carbon disulfide	ND		ug/kg	8.9	4.0	1
2-Butanone	ND		ug/kg	8.9	2.0	1
Vinyl acetate	ND		ug/kg	8.9	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.9	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.9	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.89	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.89	0.15	1
sec-Butylbenzene	ND		ug/kg	0.89	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.89	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.89	0.10	1
Naphthalene	ND		ug/kg	3.5	0.58	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.89	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	71	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 18:36
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10 Date Collected: 07/29/22 14:00

Client ID: SB25_8-10 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	107		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/31/22 19:02
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11 Date Collected: 07/29/22 14:10

Client ID: SB26_8-10 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	23		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	0.19	J	ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	0.86	J	ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	3.4		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	109		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/03/22 19:02
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	ND		ug/kg	0.80	0.31	1
Chlorobenzene	ND		ug/kg	0.80	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.4	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.27	1
Bromodichloromethane	ND		ug/kg	0.80	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.44	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.80	0.25	1
Bromoform	ND		ug/kg	6.4	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.26	1
Benzene	ND		ug/kg	0.80	0.26	1
Toluene	ND		ug/kg	1.6	0.86	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.4	1.5	1
Bromomethane	ND		ug/kg	3.2	0.93	1
Vinyl chloride	ND		ug/kg	1.6	0.53	1
Chloroethane	ND		ug/kg	3.2	0.72	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12 Date Collected: 07/29/22 14:25

Client ID: SB26_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.80	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.89	1
o-Xylene	0.70	J	ug/kg	1.6	0.46	1
Xylenes, Total	0.70	J	ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.38	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	48		ug/kg	16	7.7	1
Carbon disulfide	7.7	J	ug/kg	16	7.2	1
2-Butanone	ND		ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.20	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.23	1
n-Butylbenzene	58		ug/kg	1.6	0.27	1
sec-Butylbenzene	58		ug/kg	1.6	0.23	1
tert-Butylbenzene	5.7		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.30	1
p-Chlorotoluene	ND		ug/kg	3.2	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.27	1
Isopropylbenzene	2.6		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	26		ug/kg	6.4	1.0	1
Acrylonitrile	ND		ug/kg	6.4	1.8	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.43	1
1,3,5-Trimethylbenzene	0.32	J	ug/kg	3.2	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.53	1
1,4-Dioxane	ND		ug/kg	130	56.	1
p-Diethylbenzene	54		ug/kg	3.2	0.28	1
p-Ethyltoluene	0.73	J	ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	220		ug/kg	3.2	0.30	1
Ethyl ether	ND		ug/kg	3.2	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.0	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	**173**	Q	70-130
Dibromofluoromethane	82		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/01/22 12:40
Analyst: MV

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13 Date Collected: 07/29/22 10:45

Client ID: SOFB02_072922 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-14
Client ID: TB02_072922
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 00:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/01/22 13:04
Analyst: MV

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-14 Date Collected: 07/29/22 00:00

Client ID: TB02_072922 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: 450 JOHNSON AVE
Lab Number: L2240863
Project Number: 170588003
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-14
Client ID: TB02_072922
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 00:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-11 Batch: WG1670171-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-11 Batch: WG1670171-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.66	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-11 Batch: WG1670171-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG1670189-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG1670189-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/01/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13-14 Batch: WG1670189-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1670535-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1670535-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	33	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/31/22 14:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1670535-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 16:47
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12 Batch: WG1671137-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 16:47
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12 Batch: WG1671137-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/03/22 16:47
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 12 Batch: WG1671137-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:54
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1671141-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:54
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1671141-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 18:54
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1671141-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-11 Batch: WG1670171-3 WG1670171-4								
Methylene chloride	96		93		70-130	3		30
1,1-Dichloroethane	101		97		70-130	4		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	109		103		70-130	6		30
1,2-Dichloropropane	95		90		70-130	5		30
Dibromochloromethane	97		94		70-130	3		30
1,1,2-Trichloroethane	90		86		70-130	5		30
Tetrachloroethene	105		99		70-130	6		30
Chlorobenzene	92		89		70-130	3		30
Trichlorofluoromethane	110		103		70-139	7		30
1,2-Dichloroethane	98		95		70-130	3		30
1,1,1-Trichloroethane	108		102		70-130	6		30
Bromodichloromethane	98		94		70-130	4		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	97		94		70-130	3		30
1,1-Dichloropropene	104		100		70-130	4		30
Bromoform	87		87		70-130	0		30
1,1,2,2-Tetrachloroethane	77		77		70-130	0		30
Benzene	97		93		70-130	4		30
Toluene	93		91		70-130	2		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	118		112		52-130	5		30
Bromomethane	83		80		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-11 Batch: WG1670171-3 WG1670171-4								
Vinyl chloride	112		105		67-130	6		30
Chloroethane	98		92		50-151	6		30
1,1-Dichloroethene	110		106		65-135	4		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	103		96		70-130	7		30
1,2-Dichlorobenzene	90		89		70-130	1		30
1,3-Dichlorobenzene	92		91		70-130	1		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	96		93		66-130	3		30
p/m-Xylene	97		93		70-130	4		30
o-Xylene	97		93		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	95		91		70-130	4		30
Styrene	86		83		70-130	4		30
Dichlorodifluoromethane	**155**	Q	**148**	Q	30-146	5		30
Acetone	120		113		54-140	6		30
Carbon disulfide	100		95		59-130	5		30
2-Butanone	90		83		70-130	8		30
Vinyl acetate	84		91		70-130	8		30
4-Methyl-2-pentanone	84		78		70-130	7		30
1,2,3-Trichloropropane	82		80		68-130	2		30
2-Hexanone	83		80		70-130	4		30
Bromochloromethane	103		98		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-11 Batch: WG1670171-3 WG1670171-4								
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	92		89		70-130	3		30
1,3-Dichloropropane	90		88		69-130	2		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	90		88		70-130	2		30
n-Butylbenzene	96		92		70-130	4		30
sec-Butylbenzene	95		93		70-130	2		30
tert-Butylbenzene	96		93		70-130	3		30
o-Chlorotoluene	89		88		70-130	1		30
p-Chlorotoluene	92		90		70-130	2		30
1,2-Dibromo-3-chloropropane	80		80		68-130	0		30
Hexachlorobutadiene	89		88		67-130	1		30
Isopropylbenzene	93		92		70-130	1		30
p-Isopropyltoluene	97		95		70-130	2		30
Naphthalene	86		85		70-130	1		30
Acrylonitrile	92		89		70-130	3		30
n-Propylbenzene	93		91		70-130	2		30
1,2,3-Trichlorobenzene	88		86		70-130	2		30
1,2,4-Trichlorobenzene	90		88		70-130	2		30
1,3,5-Trimethylbenzene	95		93		70-130	2		30
1,2,4-Trimethylbenzene	95		93		70-130	2		30
1,4-Dioxane	78		75		65-136	4		30
p-Diethylbenzene	95		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-11 Batch: WG1670171-3 WG1670171-4								
p-Ethyltoluene	94		91		70-130	3		30
1,2,4,5-Tetramethylbenzene	95		93		70-130	2		30
Ethyl ether	95		94		67-130	1		30
trans-1,4-Dichloro-2-butene	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		99		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG1670189-3 WG1670189-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	96		96		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
1,1-Dichloropropene	98		98		70-130	0		20
Bromoform	98		100		54-136	2		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	98		97		70-130	1		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	**63**	Q	**62**	Q	64-130	2		20
Bromomethane	44		46		39-139	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG1670189-3 WG1670189-4								
Vinyl chloride	91		91		55-140	0		20
Chloroethane	99		96		55-138	3		20
1,1-Dichloroethene	98		97		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	91		97		63-130	6		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		98		70-130	1		20
Dibromomethane	97		98		70-130	1		20
1,2,3-Trichloropropane	90		97		64-130	7		20
Acrylonitrile	92		100		70-130	8		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	110		93		58-148	17		20
Carbon disulfide	100		96		51-130	4		20
2-Butanone	77		80		63-138	4		20
Vinyl acetate	94		100		70-130	6		20
4-Methyl-2-pentanone	82		90		59-130	9		20
2-Hexanone	80		92		57-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG1670189-3 WG1670189-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	96		99		70-130	3		20
1,3-Dichloropropane	96		97		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	78		96		41-144	**21**	Q	20
Hexachlorobutadiene	100		110		63-130	10		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	**67**	Q	89		70-130	**28**	Q	20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	73		94		70-130	**25**	Q	20
1,2,4-Trichlorobenzene	91		99		70-130	8		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	90		104		56-162	14		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13-14 Batch: WG1670189-3 WG1670189-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	95		94		59-134	1		20
trans-1,4-Dichloro-2-butene	92		100		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	99		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1670535-3 WG1670535-4								
Methylene chloride	96		93		70-130	3		30
1,1-Dichloroethane	101		97		70-130	4		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	109		103		70-130	6		30
1,2-Dichloropropane	95		90		70-130	5		30
Dibromochloromethane	97		94		70-130	3		30
1,1,2-Trichloroethane	90		86		70-130	5		30
Tetrachloroethene	105		99		70-130	6		30
Chlorobenzene	92		89		70-130	3		30
Trichlorofluoromethane	110		103		70-139	7		30
1,2-Dichloroethane	98		95		70-130	3		30
1,1,1-Trichloroethane	108		102		70-130	6		30
Bromodichloromethane	98		94		70-130	4		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	97		94		70-130	3		30
1,1-Dichloropropene	104		100		70-130	4		30
Bromoform	87		87		70-130	0		30
1,1,2,2-Tetrachloroethane	77		77		70-130	0		30
Benzene	97		93		70-130	4		30
Toluene	93		91		70-130	2		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	118		112		52-130	5		30
Bromomethane	83		80		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1670535-3 WG1670535-4								
Vinyl chloride	112		105		67-130	6		30
Chloroethane	98		92		50-151	6		30
1,1-Dichloroethene	110		106		65-135	4		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	103		96		70-130	7		30
1,2-Dichlorobenzene	90		89		70-130	1		30
1,3-Dichlorobenzene	92		91		70-130	1		30
1,4-Dichlorobenzene	91		88		70-130	3		30
Methyl tert butyl ether	96		93		66-130	3		30
p/m-Xylene	97		93		70-130	4		30
o-Xylene	97		93		70-130	4		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	95		91		70-130	4		30
Styrene	86		83		70-130	4		30
Dichlorodifluoromethane	**155**	Q	**148**	Q	30-146	5		30
Acetone	120		113		54-140	6		30
Carbon disulfide	100		95		59-130	5		30
2-Butanone	90		83		70-130	8		30
Vinyl acetate	84		91		70-130	8		30
4-Methyl-2-pentanone	84		78		70-130	7		30
1,2,3-Trichloropropane	82		80		68-130	2		30
2-Hexanone	83		80		70-130	4		30
Bromochloromethane	103		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1670535-3 WG1670535-4								
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	92		89		70-130	3		30
1,3-Dichloropropane	90		88		69-130	2		30
1,1,1,2-Tetrachloroethane	97		94		70-130	3		30
Bromobenzene	90		88		70-130	2		30
n-Butylbenzene	96		92		70-130	4		30
sec-Butylbenzene	95		93		70-130	2		30
tert-Butylbenzene	96		93		70-130	3		30
o-Chlorotoluene	89		88		70-130	1		30
p-Chlorotoluene	92		90		70-130	2		30
1,2-Dibromo-3-chloropropane	80		80		68-130	0		30
Hexachlorobutadiene	89		88		67-130	1		30
Isopropylbenzene	93		92		70-130	1		30
p-Isopropyltoluene	97		95		70-130	2		30
Naphthalene	86		85		70-130	1		30
Acrylonitrile	92		89		70-130	3		30
n-Propylbenzene	93		91		70-130	2		30
1,2,3-Trichlorobenzene	88		86		70-130	2		30
1,2,4-Trichlorobenzene	90		88		70-130	2		30
1,3,5-Trimethylbenzene	95		93		70-130	2		30
1,2,4-Trimethylbenzene	95		93		70-130	2		30
1,4-Dioxane	78		75		65-136	4		30
p-Diethylbenzene	95		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1670535-3 WG1670535-4								
p-Ethyltoluene	94		91		70-130	3		30
1,2,4,5-Tetramethylbenzene	95		93		70-130	2		30
Ethyl ether	95		94		67-130	1		30
trans-1,4-Dichloro-2-butene	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		99		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12 Batch: WG1671137-3 WG1671137-4								
Methylene chloride	87		88		70-130	1		30
1,1-Dichloroethane	97		100		70-130	3		30
Chloroform	95		98		70-130	3		30
Carbon tetrachloride	94		100		70-130	6		30
1,2-Dichloropropane	97		98		70-130	1		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	104		106		70-130	2		30
Tetrachloroethene	95		100		70-130	5		30
Chlorobenzene	92		96		70-130	4		30
Trichlorofluoromethane	103		108		70-139	5		30
1,2-Dichloroethane	110		110		70-130	0		30
1,1,1-Trichloroethane	95		100		70-130	5		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	114		115		70-130	1		30
cis-1,3-Dichloropropene	101		103		70-130	2		30
1,1-Dichloropropene	93		99		70-130	6		30
Bromoform	108		106		70-130	2		30
1,1,2,2-Tetrachloroethane	102		95		70-130	7		30
Benzene	91		94		70-130	3		30
Toluene	94		99		70-130	5		30
Ethylbenzene	97		102		70-130	5		30
Chloromethane	108		114		52-130	5		30
Bromomethane	91		95		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12 Batch: WG1671137-3 WG1671137-4								
Vinyl chloride	106		114		67-130	7		30
Chloroethane	103		109		50-151	6		30
1,1-Dichloroethene	84		90		65-135	7		30
trans-1,2-Dichloroethene	87		91		70-130	4		30
Trichloroethene	92		101		70-130	9		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	93		93		70-130	0		30
Methyl tert butyl ether	98		99		66-130	1		30
p/m-Xylene	94		99		70-130	5		30
o-Xylene	95		100		70-130	5		30
cis-1,2-Dichloroethene	88		91		70-130	3		30
Dibromomethane	99		97		70-130	2		30
Styrene	99		103		70-130	4		30
Dichlorodifluoromethane	129		138		30-146	7		30
Acetone	114		117		54-140	3		30
Carbon disulfide	82		86		59-130	5		30
2-Butanone	98		99		70-130	1		30
Vinyl acetate	99		81		70-130	20		30
4-Methyl-2-pentanone	103		104		70-130	1		30
1,2,3-Trichloropropane	103		103		68-130	0		30
2-Hexanone	105		106		70-130	1		30
Bromochloromethane	89		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12 Batch: WG1671137-3 WG1671137-4								
2,2-Dichloropropane	96		101		70-130	5		30
1,2-Dibromoethane	94		96		70-130	2		30
1,3-Dichloropropane	105		107		69-130	2		30
1,1,1,2-Tetrachloroethane	100		104		70-130	4		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	98		101		70-130	3		30
sec-Butylbenzene	93		96		70-130	3		30
tert-Butylbenzene	90		93		70-130	3		30
o-Chlorotoluene	96		98		70-130	2		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	92		88		68-130	4		30
Hexachlorobutadiene	105		106		67-130	1		30
Isopropylbenzene	94		96		70-130	2		30
p-Isopropyltoluene	93		95		70-130	2		30
Naphthalene	93		92		70-130	1		30
Acrylonitrile	98		98		70-130	0		30
n-Propylbenzene	96		99		70-130	3		30
1,2,3-Trichlorobenzene	102		100		70-130	2		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	95		97		70-130	2		30
1,2,4-Trimethylbenzene	95		97		70-130	2		30
1,4-Dioxane	103		100		65-136	3		30
p-Diethylbenzene	93		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 12 Batch: WG1671137-3 WG1671137-4								
p-Ethyltoluene	93		96		70-130	3		30
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		30
Ethyl ether	97		98		67-130	1		30
trans-1,4-Dichloro-2-butene	120		118		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		116		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1671141-3 WG1671141-4								
Methylene chloride	92		90		70-130	2		30
1,1-Dichloroethane	94		91		70-130	3		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	93		90		70-130	3		30
1,2-Dichloropropane	89		87		70-130	2		30
Dibromochloromethane	96		96		70-130	0		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	95		92		70-130	3		30
Chlorobenzene	89		87		70-130	2		30
Trichlorofluoromethane	100		96		70-139	4		30
1,2-Dichloroethane	96		94		70-130	2		30
1,1,1-Trichloroethane	95		90		70-130	5		30
Bromodichloromethane	93		90		70-130	3		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	91		88		70-130	3		30
1,1-Dichloropropene	91		87		70-130	4		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	73		70		70-130	4		30
Benzene	89		85		70-130	5		30
Toluene	91		88		70-130	3		30
Ethylbenzene	91		88		70-130	3		30
Chloromethane	112		106		52-130	6		30
Bromomethane	85		80		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1671141-3 WG1671141-4								
Vinyl chloride	104		99		67-130	5		30
Chloroethane	93		89		50-151	4		30
1,1-Dichloroethene	97		92		65-135	5		30
trans-1,2-Dichloroethene	92		89		70-130	3		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	90		90		70-130	0		30
1,4-Dichlorobenzene	90		87		70-130	3		30
Methyl tert butyl ether	91		91		66-130	0		30
p/m-Xylene	92		90		70-130	2		30
o-Xylene	94		91		70-130	3		30
cis-1,2-Dichloroethene	89		86		70-130	3		30
Dibromomethane	90		88		70-130	2		30
Styrene	87		84		70-130	4		30
Dichlorodifluoromethane	138		130		30-146	6		30
Acetone	133		131		54-140	2		30
Carbon disulfide	91		87		59-130	4		30
2-Butanone	90		89		70-130	1		30
Vinyl acetate	**61**	Q	**51**	Q	70-130	18		30
4-Methyl-2-pentanone	86		86		70-130	0		30
1,2,3-Trichloropropane	87		86		68-130	1		30
2-Hexanone	92		94		70-130	2		30
Bromochloromethane	94		91		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1671141-3 WG1671141-4								
2,2-Dichloropropane	92		88		70-130	4		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	93		92		69-130	1		30
1,1,1,2-Tetrachloroethane	98		94		70-130	4		30
Bromobenzene	87		87		70-130	0		30
n-Butylbenzene	90		88		70-130	2		30
sec-Butylbenzene	90		87		70-130	3		30
tert-Butylbenzene	89		87		70-130	2		30
o-Chlorotoluene	102		99		70-130	3		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	85		87		68-130	2		30
Hexachlorobutadiene	84		80		67-130	5		30
Isopropylbenzene	87		84		70-130	4		30
p-Isopropyltoluene	92		89		70-130	3		30
Naphthalene	85		86		70-130	1		30
Acrylonitrile	91		91		70-130	0		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	86		86		70-130	0		30
1,2,4-Trichlorobenzene	84		85		70-130	1		30
1,3,5-Trimethylbenzene	91		89		70-130	2		30
1,2,4-Trimethylbenzene	92		90		70-130	2		30
1,4-Dioxane	76		82		65-136	8		30
p-Diethylbenzene	89		86		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1671141-3 WG1671141-4								
p-Ethyltoluene	88		86		70-130	2		30
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		30
Ethyl ether	94		94		67-130	0		30
trans-1,4-Dichloro-2-butene	92		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	91		94		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/03/22 23:59
Analyst: GMR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	45	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	790		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	210		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01 Date Collected: 07/29/22 09:30

Client ID: SB21_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	130	J	ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	360		ug/kg	110	21.	1
Benzo(a)pyrene	430		ug/kg	150	45.	1
Benzo(b)fluoranthene	490		ug/kg	110	31.	1
Benzo(k)fluoranthene	170		ug/kg	110	29.	1
Chrysene	420		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	110		ug/kg	110	36.	1
Benzo(ghi)perylene	280		ug/kg	150	22.	1
Fluorene	41	J	ug/kg	180	18.	1
Phenanthrene	590		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	150	26.	1
Pyrene	750		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	42	J	ug/kg	180	17.	1
2-Methylnaphthalene	60	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	46	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	119		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	94		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 00:22
Analyst: GMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02 Date Collected: 07/29/22 09:45

Client ID: SB21_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	80		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 00:46
Analyst: GMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03 Date Collected: 07/29/22 10:20

Client ID: SB21_20-22 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	87		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 01:09
Analyst: GMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	560		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	7100		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	770		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04 Date Collected: 07/29/22 11:30

Client ID: SB22_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	3200		ug/kg	110	21.	1
Benzo(a)pyrene	3400		ug/kg	150	46.	1
Benzo(b)fluoranthene	4000		ug/kg	110	32.	1
Benzo(k)fluoranthene	1200		ug/kg	110	30.	1
Chrysene	3900		ug/kg	110	20.	1
Acenaphthylene	230		ug/kg	150	29.	1
Anthracene	1000		ug/kg	110	37.	1
Benzo(ghi)perylene	2000		ug/kg	150	22.	1
Fluorene	650		ug/kg	190	18.	1
Phenanthrene	7800	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	470		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	2200		ug/kg	150	26.	1
Pyrene	7200		ug/kg	110	19.	1
Biphenyl	110	J	ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	430		ug/kg	190	18.	1
2-Methylnaphthalene	480		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	600		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	83		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04 D
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 14:04
Analyst: JG
Percent Solids: 86%

Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenanthrene	9000		ug/kg	560	110	5

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/22 06:27
Analyst: CMM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	3000		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	200		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05 Date Collected: 07/29/22 12:05

Client ID: SB23_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1700		ug/kg	100	20.	1
Benzo(a)pyrene	1600		ug/kg	140	43.	1
Benzo(b)fluoranthene	2000		ug/kg	100	30.	1
Benzo(k)fluoranthene	630		ug/kg	100	28.	1
Chrysene	1800		ug/kg	100	18.	1
Acenaphthylene	110	J	ug/kg	140	27.	1
Anthracene	530		ug/kg	100	34.	1
Benzo(ghi)perylene	1000		ug/kg	140	21.	1
Fluorene	210		ug/kg	180	17.	1
Phenanthrene	2400		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	260		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	24.	1
Pyrene	2700		ug/kg	100	17.	1
Biphenyl	38	J	ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	160	J	ug/kg	180	17.	1
2-Methylnaphthalene	110	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	220		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	60		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 01:56
Analyst: GMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06 Date Collected: 07/29/22 12:15

Client ID: SB23_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: 450 JOHNSON AVE
Lab Number: L2240863
Project Number: 170588003
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	91		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 02:19
Analyst: GMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	290		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	3300		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	160	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07 Date Collected: 07/29/22 12:50

Client ID: SB24_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	1500		ug/kg	110	21.	1
Benzo(a)pyrene	1800		ug/kg	150	46.	1
Benzo(b)fluoranthene	2000		ug/kg	110	32.	1
Benzo(k)fluoranthene	600		ug/kg	110	30.	1
Chrysene	1600		ug/kg	110	20.	1
Acenaphthylene	35	J	ug/kg	150	29.	1
Anthracene	630		ug/kg	110	37.	1
Benzo(ghi)perylene	1200		ug/kg	150	22.	1
Fluorene	230		ug/kg	190	18.	1
Phenanthrene	2600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	250		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	150	26.	1
Pyrene	3100		ug/kg	110	19.	1
Biphenyl	28	J	ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	160	J	ug/kg	190	18.	1
2-Methylnaphthalene	77	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	240		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	87		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 02:43
Analyst: GMR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08 Date Collected: 07/29/22 13:00

Client ID: SB24_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	83		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 03:06
Analyst: GMR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2900		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	18000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	910		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09 Date Collected: 07/29/22 13:50

Client ID: SB25_1-3 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	9100	E	ug/kg	110	20.	1
Benzo(a)pyrene	9100	E	ug/kg	140	44.	1
Benzo(b)fluoranthene	10000	E	ug/kg	110	30.	1
Benzo(k)fluoranthene	3400		ug/kg	110	29.	1
Chrysene	8300	E	ug/kg	110	19.	1
Acenaphthylene	110	J	ug/kg	140	28.	1
Anthracene	4900		ug/kg	110	35.	1
Benzo(ghi)perylene	4400		ug/kg	140	21.	1
Fluorene	2300		ug/kg	180	17.	1
Phenanthrene	18000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1000		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	5500		ug/kg	140	25.	1
Pyrene	17000	E	ug/kg	110	18.	1
Biphenyl	320	J	ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	1100		ug/kg	180	17.	1
2-Methylnaphthalene	750		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	1600		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	80		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09 D
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 14:28
Analyst: JG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	28000		ug/kg	540	100	5
Benzo(a)anthracene	11000		ug/kg	540	100	5
Benzo(a)pyrene	11000		ug/kg	720	220	5
Benzo(b)fluoranthene	12000		ug/kg	540	150	5
Chrysene	10000		ug/kg	540	93.	5
Phenanthrene	28000		ug/kg	540	110	5
Pyrene	26000		ug/kg	540	89.	5

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10 D2
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/22 15:31
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/04/22 17:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	71000		ug/kg	2700	520	25
Phenanthrene	82000		ug/kg	2700	550	25
Pyrene	60000		ug/kg	2700	450	25

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10 D
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/05/22 13:17
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/04/22 17:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	9600		ug/kg	720	93.	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	100	5
Hexachlorobenzene	ND		ug/kg	540	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	120	5
2-Chloronaphthalene	ND		ug/kg	900	89.	5
1,2-Dichlorobenzene	ND		ug/kg	900	160	5
1,3-Dichlorobenzene	ND		ug/kg	900	150	5
1,4-Dichlorobenzene	ND		ug/kg	900	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	240	5
2,4-Dinitrotoluene	ND		ug/kg	900	180	5
2,6-Dinitrotoluene	ND		ug/kg	900	150	5
Fluoranthene	58000	E	ug/kg	540	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	900	96.	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	970	90.	5
Hexachlorobutadiene	ND		ug/kg	900	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	810	5
Hexachloroethane	ND		ug/kg	720	140	5
Isophorone	ND		ug/kg	810	120	5
Naphthalene	6100		ug/kg	900	110	5
Nitrobenzene	ND		ug/kg	810	130	5
NDPA/DPA	ND		ug/kg	720	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	900	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	900	310	5
Butyl benzyl phthalate	ND		ug/kg	900	230	5
Di-n-butylphthalate	ND		ug/kg	900	170	5
Di-n-octylphthalate	ND		ug/kg	900	300	5

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10 D Date Collected: 07/29/22 14:00
Client ID: SB25_8-10 Date Received: 07/29/22
Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	900	83.	5
Dimethyl phthalate	ND		ug/kg	900	190	5
Benzo(a)anthracene	30000		ug/kg	540	100	5
Benzo(a)pyrene	24000		ug/kg	720	220	5
Benzo(b)fluoranthene	28000		ug/kg	540	150	5
Benzo(k)fluoranthene	8500		ug/kg	540	140	5
Chrysene	29000		ug/kg	540	93.	5
Acenaphthylene	5400		ug/kg	720	140	5
Anthracene	18000		ug/kg	540	180	5
Benzo(ghi)perylene	10000		ug/kg	720	100	5
Fluorene	10000		ug/kg	900	87.	5
Phenanthrene	65000	E	ug/kg	540	110	5
Dibenzo(a,h)anthracene	3100		ug/kg	540	100	5
Indeno(1,2,3-cd)pyrene	13000		ug/kg	720	120	5
Pyrene	53000	E	ug/kg	540	89.	5
Biphenyl	1200	J	ug/kg	2000	120	5
4-Chloroaniline	ND		ug/kg	900	160	5
2-Nitroaniline	ND		ug/kg	900	170	5
3-Nitroaniline	ND		ug/kg	900	170	5
4-Nitroaniline	ND		ug/kg	900	370	5
Dibenzofuran	7100		ug/kg	900	85.	5
2-Methylnaphthalene	4300		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	900	94.	5
Acetophenone	ND		ug/kg	900	110	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
p-Chloro-m-cresol	ND		ug/kg	900	130	5
2-Chlorophenol	ND		ug/kg	900	110	5
2,4-Dichlorophenol	ND		ug/kg	810	140	5
2,4-Dimethylphenol	ND		ug/kg	900	300	5
2-Nitrophenol	ND		ug/kg	1900	340	5
4-Nitrophenol	ND		ug/kg	1200	370	5
2,4-Dinitrophenol	ND		ug/kg	4300	420	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	720	200	5
Phenol	500	J	ug/kg	900	140	5
2-Methylphenol	340	J	ug/kg	900	140	5
3-Methylphenol/4-Methylphenol	1200	J	ug/kg	1300	140	5

Project Name: 450 JOHNSON AVE
Lab Number: L2240863
Project Number: 170588003
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10 D
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	900	170	5
Benzoic Acid	ND		ug/kg	2900	910	5
Benzyl Alcohol	ND		ug/kg	900	270	5
Carbazole	6600		ug/kg	900	87.	5
1,4-Dioxane	ND		ug/kg	130	41.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	66		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 03:53
Analyst: GMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	100	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11 Date Collected: 07/29/22 14:10

Client ID: SB26_8-10 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	58	J	ug/kg	120	22.	1
Benzo(a)pyrene	64	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	72	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	58	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	69	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	61	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	52	J	ug/kg	160	28.	1
Pyrene	93	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	80	J	ug/kg	280	31.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	90		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/04/22 04:16
Analyst: GMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	280		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	220		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	130	J	ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12 Date Collected: 07/29/22 14:25

Client ID: SB26_13-15 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	130		ug/kg	120	22.	1
Benzo(a)pyrene	130	J	ug/kg	160	48.	1
Benzo(b)fluoranthene	160		ug/kg	120	33.	1
Benzo(k)fluoranthene	48	J	ug/kg	120	32.	1
Chrysene	140		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	100	J	ug/kg	120	38.	1
Benzo(ghi)perylene	76	J	ug/kg	160	23.	1
Fluorene	320		ug/kg	200	19.	1
Phenanthrene	800		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	85	J	ug/kg	160	28.	1
Pyrene	340		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	18		10-136
4-Terphenyl-d14	79		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/03/22 14:32
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/02/22 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2240863

Project Number: 170588003 **Report Date:** 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13 Date Collected: 07/29/22 10:45

Client ID: SOFB02_072922 Date Received: 07/29/22

Sample Location: BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	74		41-149

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 22:49
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1669321-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	31.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 22:49
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1669321-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 22:49
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/30/22 15:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09,11-12 Batch: WG1669321-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	91		18-120

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 10:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/02/22 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1670128-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 10:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/02/22 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1670128-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/03/22 10:45
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/02/22 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1670128-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	73		41-149

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/05/22 12:05
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/22 17:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1671427-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/05/22 12:05
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/22 17:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1671427-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/05/22 12:05
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/04/22 17:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1671427-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1669321-2 WG1669321-3								
Acenaphthene	90		78		31-137	14		50
1,2,4-Trichlorobenzene	85		72		38-107	17		50
Hexachlorobenzene	90		78		40-140	14		50
Bis(2-chloroethyl)ether	85		73		40-140	15		50
2-Chloronaphthalene	85		74		40-140	14		50
1,2-Dichlorobenzene	83		70		40-140	17		50
1,3-Dichlorobenzene	83		70		40-140	17		50
1,4-Dichlorobenzene	83		70		28-104	17		50
3,3'-Dichlorobenzidine	70		68		40-140	3		50
2,4-Dinitrotoluene	110		96		40-132	14		50
2,6-Dinitrotoluene	104		90		40-140	14		50
Fluoranthene	94		81		40-140	15		50
4-Chlorophenyl phenyl ether	90		78		40-140	14		50
4-Bromophenyl phenyl ether	90		79		40-140	13		50
Bis(2-chloroisopropyl)ether	79		68		40-140	15		50
Bis(2-chloroethoxy)methane	97		85		40-117	13		50
Hexachlorobutadiene	78		66		40-140	17		50
Hexachlorocyclopentadiene	87		73		40-140	18		50
Hexachloroethane	88		75		40-140	16		50
Isophorone	94		81		40-140	15		50
Naphthalene	85		73		40-140	15		50
Nitrobenzene	107		91		40-140	16		50
NDPA/DPA	91		80		36-157	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1669321-2 WG1669321-3								
n-Nitrosodi-n-propylamine	93		82		32-121	13		50
Bis(2-ethylhexyl)phthalate	109		96		40-140	13		50
Butyl benzyl phthalate	110		96		40-140	14		50
Di-n-butylphthalate	105		91		40-140	14		50
Di-n-octylphthalate	111		97		40-140	13		50
Diethyl phthalate	97		84		40-140	14		50
Dimethyl phthalate	88		77		40-140	13		50
Benzo(a)anthracene	87		77		40-140	12		50
Benzo(a)pyrene	92		80		40-140	14		50
Benzo(b)fluoranthene	91		79		40-140	14		50
Benzo(k)fluoranthene	90		78		40-140	14		50
Chrysene	86		76		40-140	12		50
Acenaphthylene	90		78		40-140	14		50
Anthracene	93		81		40-140	14		50
Benzo(ghi)perylene	96		83		40-140	15		50
Fluorene	94		82		40-140	14		50
Phenanthrene	91		79		40-140	14		50
Dibenzo(a,h)anthracene	94		82		40-140	14		50
Indeno(1,2,3-cd)pyrene	108		92		40-140	16		50
Pyrene	92		80		35-142	14		50
Biphenyl	88		76		37-127	15		50
4-Chloroaniline	73		67		40-140	9		50
2-Nitroaniline	131		115		47-134	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1669321-2 WG1669321-3								
3-Nitroaniline	98		90		26-129	9		50
4-Nitroaniline	120		105		41-125	13		50
Dibenzofuran	90		78		40-140	14		50
2-Methylnaphthalene	89		77		40-140	14		50
1,2,4,5-Tetrachlorobenzene	84		73		40-117	14		50
Acetophenone	93		79		14-144	16		50
2,4,6-Trichlorophenol	98		86		30-130	13		50
p-Chloro-m-cresol	**107**	Q	92		26-103	15		50
2-Chlorophenol	96		82		25-102	16		50
2,4-Dichlorophenol	103		88		30-130	16		50
2,4-Dimethylphenol	102		89		30-130	14		50
2-Nitrophenol	**146**	Q	127		30-130	14		50
4-Nitrophenol	**118**	Q	103		11-114	14		50
2,4-Dinitrophenol	**148**	Q	126		4-130	16		50
4,6-Dinitro-o-cresol	**146**	Q	127		10-130	14		50
Pentachlorophenol	107		92		17-109	15		50
Phenol	90		79		26-90	13		50
2-Methylphenol	99		86		30-130.	14		50
3-Methylphenol/4-Methylphenol	102		89		30-130	14		50
2,4,5-Trichlorophenol	103		87		30-130	17		50
Benzoic Acid	70		44		10-110	46		50
Benzyl Alcohol	101		89		40-140	13		50
Carbazole	96		84		54-128	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09,11-12 Batch: WG1669321-2 WG1669321-3								
1,4-Dioxane	72		62		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	97		84		25-120
Phenol-d6	101		88		10-120
Nitrobenzene-d5	115		98		23-120
2-Fluorobiphenyl	87		76		30-120
2,4,6-Tribromophenol	117		101		10-136
4-Terphenyl-d14	93		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1670128-2 WG1670128-3								
Acenaphthene	65		60		37-111	8		30
1,2,4-Trichlorobenzene	60		48		39-98	22		30
Hexachlorobenzene	69		68		40-140	1		30
Bis(2-chloroethyl)ether	63		48		40-140	27		30
2-Chloronaphthalene	62		54		40-140	14		30
1,2-Dichlorobenzene	60		46		40-140	26		30
1,3-Dichlorobenzene	59		44		40-140	29		30
1,4-Dichlorobenzene	59		44		36-97	29		30
3,3'-Dichlorobenzidine	53		69		40-140	26		30
2,4-Dinitrotoluene	62		59		48-143	5		30
2,6-Dinitrotoluene	61		59		40-140	3		30
Fluoranthene	67		68		40-140	1		30
4-Chlorophenyl phenyl ether	68		64		40-140	6		30
4-Bromophenyl phenyl ether	71		68		40-140	4		30
Bis(2-chloroisopropyl)ether	62		50		40-140	21		30
Bis(2-chloroethoxy)methane	62		54		40-140	14		30
Hexachlorobutadiene	64		53		40-140	19		30
Hexachlorocyclopentadiene	60		50		40-140	18		30
Hexachloroethane	62		48		40-140	25		30
Isophorone	62		54		40-140	14		30
Naphthalene	63		50		40-140	23		30
Nitrobenzene	63		51		40-140	21		30
NDPA/DPA	65		68		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1670128-2 WG1670128-3								
n-Nitrosodi-n-propylamine	64		55		29-132	15		30
Bis(2-ethylhexyl)phthalate	95		99		40-140	4		30
Butyl benzyl phthalate	78		83		40-140	6		30
Di-n-butylphthalate	77		77		40-140	0		30
Di-n-octylphthalate	90		98		40-140	9		30
Diethyl phthalate	73		71		40-140	3		30
Dimethyl phthalate	62		60		40-140	3		30
Benzo(a)anthracene	78		86		40-140	10		30
Benzo(a)pyrene	83		90		40-140	8		30
Benzo(b)fluoranthene	75		82		40-140	9		30
Benzo(k)fluoranthene	77		79		40-140	3		30
Chrysene	72		76		40-140	5		30
Acenaphthylene	65		57		45-123	13		30
Anthracene	68		66		40-140	3		30
Benzo(ghi)perylene	65		70		40-140	7		30
Fluorene	66		62		40-140	6		30
Phenanthrene	66		62		40-140	6		30
Dibenzo(a,h)anthracene	64		68		40-140	6		30
Indeno(1,2,3-cd)pyrene	70		76		40-140	8		30
Pyrene	67		68		26-127	1		30
Biphenyl	65		58		40-140	11		30
4-Chloroaniline	56		55		40-140	2		30
2-Nitroaniline	59		56		52-143	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1670128-2 WG1670128-3								
3-Nitroaniline	53		60		25-145	12		30
4-Nitroaniline	62		64		51-143	3		30
Dibenzofuran	68		63		40-140	8		30
2-Methylnaphthalene	65		56		40-140	15		30
1,2,4,5-Tetrachlorobenzene	66		58		2-134	13		30
Acetophenone	62		54		39-129	14		30
2,4,6-Trichlorophenol	64		55		30-130	15		30
p-Chloro-m-cresol	64		60		23-97	6		30
2-Chlorophenol	60		53		27-123	12		30
2,4-Dichlorophenol	61		56		30-130	9		30
2,4-Dimethylphenol	56		53		30-130	6		30
2-Nitrophenol	62		54		30-130	14		30
4-Nitrophenol	61		65		10-80	6		30
2,4-Dinitrophenol	44		58		20-130	27		30
4,6-Dinitro-o-cresol	54		53		20-164	2		30
Pentachlorophenol	60		58		9-103	3		30
Phenol	44		39		12-110	12		30
2-Methylphenol	60		55		30-130	9		30
3-Methylphenol/4-Methylphenol	65		55		30-130	17		30
2,4,5-Trichlorophenol	64		56		30-130	13		30
Benzoic Acid	**0**	Q	45		10-164	NC		30
Benzyl Alcohol	58		54		26-116	7		30
Carbazole	71		74		55-144	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1670128-2 WG1670128-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		46		21-120
Phenol-d6	44		40		10-120
Nitrobenzene-d5	63		50		23-120
2-Fluorobiphenyl	60		54		15-120
2,4,6-Tribromophenol	73		77		10-120
4-Terphenyl-d14	67		70		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1671427-2 WG1671427-3								
Acenaphthene	81		72		31-137	12		50
1,2,4-Trichlorobenzene	76		66		38-107	14		50
Hexachlorobenzene	86		74		40-140	15		50
Bis(2-chloroethyl)ether	77		67		40-140	14		50
2-Chloronaphthalene	80		72		40-140	11		50
1,2-Dichlorobenzene	74		65		40-140	13		50
1,3-Dichlorobenzene	74		66		40-140	11		50
1,4-Dichlorobenzene	74		66		28-104	11		50
3,3'-Dichlorobenzidine	59		58		40-140	2		50
2,4-Dinitrotoluene	92		80		40-132	14		50
2,6-Dinitrotoluene	89		77		40-140	14		50
Fluoranthene	87		75		40-140	15		50
4-Chlorophenyl phenyl ether	85		76		40-140	11		50
4-Bromophenyl phenyl ether	84		75		40-140	11		50
Bis(2-chloroisopropyl)ether	74		63		40-140	16		50
Bis(2-chloroethoxy)methane	78		68		40-117	14		50
Hexachlorobutadiene	68		64		40-140	6		50
Hexachlorocyclopentadiene	78		67		40-140	15		50
Hexachloroethane	69		61		40-140	12		50
Isophorone	74		64		40-140	14		50
Naphthalene	78		69		40-140	12		50
Nitrobenzene	71		59		40-140	18		50
NDPA/DPA	88		80		36-157	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1671427-2 WG1671427-3								
n-Nitrosodi-n-propylamine	75		63		32-121	17		50
Bis(2-ethylhexyl)phthalate	83		73		40-140	13		50
Butyl benzyl phthalate	89		76		40-140	16		50
Di-n-butylphthalate	85		73		40-140	15		50
Di-n-octylphthalate	88		77		40-140	13		50
Diethyl phthalate	82		73		40-140	12		50
Dimethyl phthalate	84		75		40-140	11		50
Benzo(a)anthracene	87		76		40-140	13		50
Benzo(a)pyrene	92		80		40-140	14		50
Benzo(b)fluoranthene	88		77		40-140	13		50
Benzo(k)fluoranthene	98		84		40-140	15		50
Chrysene	89		78		40-140	13		50
Acenaphthylene	83		73		40-140	13		50
Anthracene	82		74		40-140	10		50
Benzo(ghi)perylene	87		78		40-140	11		50
Fluorene	87		76		40-140	13		50
Phenanthrene	81		74		40-140	9		50
Dibenzo(a,h)anthracene	89		78		40-140	13		50
Indeno(1,2,3-cd)pyrene	94		84		40-140	11		50
Pyrene	89		78		35-142	13		50
Biphenyl	80		72		37-127	11		50
4-Chloroaniline	44		58		40-140	27		50
2-Nitroaniline	87		78		47-134	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1671427-2 WG1671427-3								
3-Nitroaniline	74		72		26-129	3		50
4-Nitroaniline	96		84		41-125	13		50
Dibenzofuran	85		76		40-140	11		50
2-Methylnaphthalene	83		72		40-140	14		50
1,2,4,5-Tetrachlorobenzene	81		70		40-117	15		50
Acetophenone	75		64		14-144	16		50
2,4,6-Trichlorophenol	88		78		30-130	12		50
p-Chloro-m-cresol	82		72		26-103	13		50
2-Chlorophenol	83		73		25-102	13		50
2,4-Dichlorophenol	85		74		30-130	14		50
2,4-Dimethylphenol	80		70		30-130	13		50
2-Nitrophenol	84		74		30-130	13		50
4-Nitrophenol	77		65		11-114	17		50
2,4-Dinitrophenol	42		19		4-130	**75**	Q	50
4,6-Dinitro-o-cresol	75		54		10-130	33		50
Pentachlorophenol	85		58		17-109	38		50
Phenol	89		78		26-90	13		50
2-Methylphenol	80		72		30-130.	11		50
3-Methylphenol/4-Methylphenol	82		73		30-130	12		50
2,4,5-Trichlorophenol	88		75		30-130	16		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	79		68		40-140	15		50
Carbazole	85		75		54-128	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1671427-2 WG1671427-3								
1,4-Dioxane	62		54		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		74		25-120
Phenol-d6	88		76		10-120
Nitrobenzene-d5	72		64		23-120
2-Fluorobiphenyl	83		73		30-120
2,4,6-Tribromophenol	92		82		10-136
4-Terphenyl-d14	94		81		18-120

METALS

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5450		mg/kg	8.71	2.35	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Antimony, Total	1.80	J	mg/kg	4.36	0.331	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Arsenic, Total	9.01		mg/kg	0.871	0.181	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Barium, Total	159		mg/kg	0.871	0.152	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Beryllium, Total	0.346	J	mg/kg	0.436	0.029	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Cadmium, Total	0.727	J	mg/kg	0.871	0.085	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Calcium, Total	4170		mg/kg	8.71	3.05	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Chromium, Total	23.1		mg/kg	0.871	0.084	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Cobalt, Total	5.76		mg/kg	1.74	0.144	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Copper, Total	181		mg/kg	0.871	0.225	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Iron, Total	30100		mg/kg	4.36	0.786	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Lead, Total	253		mg/kg	4.36	0.233	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Magnesium, Total	1460		mg/kg	8.71	1.34	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Manganese, Total	381		mg/kg	0.871	0.138	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Mercury, Total	49.0		mg/kg	3.46	2.26	50	08/01/22 07:50	08/03/22 12:37	EPA 7471B	1,7471B	DMB
Nickel, Total	12.2		mg/kg	2.18	0.211	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Potassium, Total	688		mg/kg	218	12.5	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Selenium, Total	0.588	J	mg/kg	1.74	0.225	2	08/01/22 10:30	08/02/22 14:58	EPA 3050B	1,6010D	JF
Silver, Total	0.718	J	mg/kg	0.871	0.246	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Sodium, Total	105	J	mg/kg	174	2.74	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Vanadium, Total	19.9		mg/kg	0.871	0.177	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
Zinc, Total	233		mg/kg	4.36	0.255	2	08/01/22 10:30	08/02/22 12:45	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23	J	mg/kg	0.88	0.89	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7220		mg/kg	8.88	2.40	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Antimony, Total	0.352	J	mg/kg	4.44	0.337	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Arsenic, Total	2.64		mg/kg	0.888	0.185	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Barium, Total	36.2		mg/kg	0.888	0.154	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Beryllium, Total	0.410	J	mg/kg	0.444	0.029	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Cadmium, Total	0.203	J	mg/kg	0.888	0.087	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Calcium, Total	996		mg/kg	8.88	3.11	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Chromium, Total	12.9		mg/kg	0.888	0.085	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Cobalt, Total	10.9		mg/kg	1.78	0.147	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Copper, Total	14.5		mg/kg	0.888	0.229	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Iron, Total	13400		mg/kg	4.44	0.802	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Lead, Total	58.1		mg/kg	4.44	0.238	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Magnesium, Total	1390		mg/kg	8.88	1.37	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Manganese, Total	206		mg/kg	0.888	0.141	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Mercury, Total	0.417		mg/kg	0.074	0.048	1	08/01/22 07:50	08/03/22 09:57	EPA 7471B	1,7471B	DMB
Nickel, Total	9.01		mg/kg	2.22	0.215	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Potassium, Total	326		mg/kg	222	12.8	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.78	0.229	2	08/01/22 10:30	08/02/22 15:01	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.888	0.251	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Sodium, Total	42.9	J	mg/kg	178	2.80	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.78	0.280	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Vanadium, Total	20.8		mg/kg	0.888	0.180	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
Zinc, Total	24.9		mg/kg	4.44	0.260	2	08/01/22 10:30	08/02/22 12:48	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12	J	mg/kg	0.95	0.95	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8460		mg/kg	9.12	2.46	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.56	0.346	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Arsenic, Total	1.15		mg/kg	0.912	0.190	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Barium, Total	29.3		mg/kg	0.912	0.159	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Beryllium, Total	0.331	J	mg/kg	0.456	0.030	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Cadmium, Total	0.215	J	mg/kg	0.912	0.089	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Calcium, Total	1380		mg/kg	9.12	3.19	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Chromium, Total	19.2		mg/kg	0.912	0.088	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Cobalt, Total	5.20		mg/kg	1.82	0.151	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Copper, Total	12.9		mg/kg	0.912	0.235	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Iron, Total	13700		mg/kg	4.56	0.823	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Lead, Total	12.4		mg/kg	4.56	0.244	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Magnesium, Total	2180		mg/kg	9.12	1.40	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Manganese, Total	696		mg/kg	0.912	0.145	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Mercury, Total	0.108		mg/kg	0.076	0.049	1	08/01/22 07:50	08/03/22 10:00	EPA 7471B	1,7471B	DMB
Nickel, Total	10.1		mg/kg	2.28	0.221	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Potassium, Total	437		mg/kg	228	13.1	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.82	0.235	2	08/01/22 10:30	08/02/22 15:05	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.912	0.258	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Sodium, Total	137	J	mg/kg	182	2.87	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.82	0.287	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Vanadium, Total	32.0		mg/kg	0.912	0.185	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
Zinc, Total	19.5		mg/kg	4.56	0.267	2	08/01/22 10:30	08/02/22 12:52	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.97	0.97	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4710		mg/kg	8.99	2.43	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Antimony, Total	14.4		mg/kg	4.49	0.342	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Arsenic, Total	46.1		mg/kg	0.899	0.187	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Barium, Total	277		mg/kg	0.899	0.156	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Beryllium, Total	0.395	J	mg/kg	0.449	0.030	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Cadmium, Total	1.52		mg/kg	0.899	0.088	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Calcium, Total	9370		mg/kg	8.99	3.15	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Chromium, Total	19.6		mg/kg	0.899	0.086	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Cobalt, Total	7.64		mg/kg	1.80	0.149	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Copper, Total	170		mg/kg	0.899	0.232	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Iron, Total	43500		mg/kg	4.49	0.812	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Lead, Total	429		mg/kg	4.49	0.241	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Magnesium, Total	1070		mg/kg	8.99	1.38	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Manganese, Total	665		mg/kg	0.899	0.143	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Mercury, Total	2.48		mg/kg	0.073	0.047	1	08/01/22 07:50	08/03/22 10:03	EPA 7471B	1,7471B	DMB
Nickel, Total	20.8		mg/kg	2.25	0.218	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Potassium, Total	700		mg/kg	225	12.9	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Selenium, Total	2.87		mg/kg	1.80	0.232	2	08/01/22 10:30	08/02/22 15:08	EPA 3050B	1,6010D	JF
Silver, Total	0.458	J	mg/kg	0.899	0.254	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Sodium, Total	190		mg/kg	180	2.83	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Thallium, Total	0.601	J	mg/kg	1.80	0.283	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Vanadium, Total	27.4		mg/kg	0.899	0.182	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
Zinc, Total	890		mg/kg	4.49	0.263	2	08/01/22 10:30	08/02/22 12:55	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.93	0.93	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4290		mg/kg	8.17	2.21	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Antimony, Total	1.17	J	mg/kg	4.08	0.310	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Arsenic, Total	5.89		mg/kg	0.817	0.170	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Barium, Total	68.6		mg/kg	0.817	0.142	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Beryllium, Total	0.254	J	mg/kg	0.408	0.027	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Cadmium, Total	0.502	J	mg/kg	0.817	0.080	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Calcium, Total	1650		mg/kg	8.17	2.86	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Chromium, Total	11.6		mg/kg	0.817	0.078	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Cobalt, Total	4.78		mg/kg	1.63	0.136	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Copper, Total	52.8		mg/kg	0.817	0.211	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Iron, Total	15800		mg/kg	4.08	0.738	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Lead, Total	1990		mg/kg	4.08	0.219	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Magnesium, Total	1330		mg/kg	8.17	1.26	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Manganese, Total	315		mg/kg	0.817	0.130	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Mercury, Total	5.60		mg/kg	0.670	0.437	10	08/01/22 07:50	08/03/22 10:49	EPA 7471B	1,7471B	DMB
Nickel, Total	9.10		mg/kg	2.04	0.198	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Potassium, Total	828		mg/kg	204	11.8	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Selenium, Total	0.521	J	mg/kg	1.63	0.211	2	08/01/22 10:30	08/02/22 15:11	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.817	0.231	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Sodium, Total	118	J	mg/kg	163	2.57	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Vanadium, Total	13.6		mg/kg	0.817	0.166	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
Zinc, Total	130		mg/kg	4.08	0.239	2	08/01/22 10:30	08/02/22 12:58	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.85	0.85	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7680		mg/kg	9.32	2.52	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.66	0.354	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Arsenic, Total	2.07		mg/kg	0.932	0.194	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Barium, Total	33.1		mg/kg	0.932	0.162	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Beryllium, Total	0.393	J	mg/kg	0.466	0.031	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Cadmium, Total	0.295	J	mg/kg	0.932	0.091	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Calcium, Total	718		mg/kg	9.32	3.26	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Chromium, Total	14.4		mg/kg	0.932	0.090	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Cobalt, Total	5.62		mg/kg	1.86	0.155	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Copper, Total	14.2		mg/kg	0.932	0.240	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Iron, Total	18200		mg/kg	4.66	0.842	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Lead, Total	13.8		mg/kg	4.66	0.250	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Magnesium, Total	1450		mg/kg	9.32	1.44	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Manganese, Total	334		mg/kg	0.932	0.148	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Mercury, Total	0.053	J	mg/kg	0.076	0.049	1	08/01/22 07:50	08/03/22 10:13	EPA 7471B	1,7471B	DMB
Nickel, Total	9.98		mg/kg	2.33	0.226	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Potassium, Total	533		mg/kg	233	13.4	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Selenium, Total	0.271	J	mg/kg	1.86	0.240	2	08/01/22 10:30	08/02/22 15:15	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.932	0.264	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Sodium, Total	153	J	mg/kg	186	2.94	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.86	0.294	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Vanadium, Total	23.1		mg/kg	0.932	0.189	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
Zinc, Total	21.0		mg/kg	4.66	0.273	2	08/01/22 10:30	08/02/22 13:01	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	0.96	0.97	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6970		mg/kg	8.67	2.34	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Antimony, Total	0.536	J	mg/kg	4.34	0.330	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Arsenic, Total	3.56		mg/kg	0.867	0.180	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Barium, Total	60.2		mg/kg	0.867	0.151	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Beryllium, Total	0.398	J	mg/kg	0.434	0.029	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Cadmium, Total	0.587	J	mg/kg	0.867	0.085	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Calcium, Total	1860		mg/kg	8.67	3.03	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Chromium, Total	14.9		mg/kg	0.867	0.083	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Cobalt, Total	6.21		mg/kg	1.73	0.144	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Copper, Total	102		mg/kg	0.867	0.224	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Iron, Total	18800		mg/kg	4.34	0.783	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Lead, Total	151		mg/kg	4.34	0.232	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Magnesium, Total	1900		mg/kg	8.67	1.34	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Manganese, Total	484		mg/kg	0.867	0.138	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Mercury, Total	0.664		mg/kg	0.072	0.047	1	08/01/22 07:50	08/03/22 10:23	EPA 7471B	1,7471B	DMB
Nickel, Total	11.2		mg/kg	2.17	0.210	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Potassium, Total	662		mg/kg	217	12.5	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Selenium, Total	0.509	J	mg/kg	1.73	0.224	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.867	0.245	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Sodium, Total	96.7	J	mg/kg	173	2.73	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Vanadium, Total	22.9		mg/kg	0.867	0.176	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
Zinc, Total	139		mg/kg	4.34	0.254	2	08/01/22 10:30	08/03/22 10:39	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.91	0.91	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13800		mg/kg	9.86	2.66	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.93	0.374	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Arsenic, Total	3.20		mg/kg	0.986	0.205	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Barium, Total	52.2		mg/kg	0.986	0.172	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Beryllium, Total	0.427	J	mg/kg	0.493	0.033	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Cadmium, Total	0.286	J	mg/kg	0.986	0.097	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Calcium, Total	1220		mg/kg	9.86	3.45	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Chromium, Total	20.1		mg/kg	0.986	0.095	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Cobalt, Total	4.71		mg/kg	1.97	0.164	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Copper, Total	9.80		mg/kg	0.986	0.254	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Iron, Total	20200		mg/kg	4.93	0.890	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Lead, Total	8.33		mg/kg	4.93	0.264	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Magnesium, Total	1810		mg/kg	9.86	1.52	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Manganese, Total	172		mg/kg	0.986	0.157	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Mercury, Total	0.056	J	mg/kg	0.081	0.053	1	08/01/22 07:50	08/03/22 10:26	EPA 7471B	1,7471B	DMB
Nickel, Total	11.6		mg/kg	2.46	0.238	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Potassium, Total	684		mg/kg	246	14.2	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.97	0.254	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.986	0.279	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Sodium, Total	52.2	J	mg/kg	197	3.10	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.97	0.310	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Vanadium, Total	28.7		mg/kg	0.986	0.200	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
Zinc, Total	22.6		mg/kg	4.93	0.289	2	08/01/22 10:30	08/03/22 10:42	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	1.0	1.0	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4970		mg/kg	8.29	2.24	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.14	0.315	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Arsenic, Total	2.97		mg/kg	0.829	0.172	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Barium, Total	72.2		mg/kg	0.829	0.144	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Beryllium, Total	0.426		mg/kg	0.414	0.027	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Cadmium, Total	0.446	J	mg/kg	0.829	0.081	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Calcium, Total	944		mg/kg	8.29	2.90	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Chromium, Total	16.4		mg/kg	0.829	0.080	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Cobalt, Total	6.12		mg/kg	1.66	0.138	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Copper, Total	26.7		mg/kg	0.829	0.214	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Iron, Total	22200		mg/kg	4.14	0.748	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Lead, Total	192		mg/kg	4.14	0.222	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Magnesium, Total	1340		mg/kg	8.29	1.28	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Manganese, Total	487		mg/kg	0.829	0.132	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Mercury, Total	0.368		mg/kg	0.069	0.045	1	08/01/22 07:50	08/03/22 10:29	EPA 7471B	1,7471B	DMB
Nickel, Total	10.2		mg/kg	2.07	0.201	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Potassium, Total	696		mg/kg	207	11.9	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.829	0.235	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Sodium, Total	44.6	J	mg/kg	166	2.61	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Vanadium, Total	23.6		mg/kg	0.829	0.168	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
Zinc, Total	75.9		mg/kg	4.14	0.243	2	08/01/22 10:30	08/03/22 10:45	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	16		mg/kg	0.87	0.87	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6120		mg/kg	8.36	2.26	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.18	0.318	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Arsenic, Total	2.58		mg/kg	0.836	0.174	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Barium, Total	38.1		mg/kg	0.836	0.146	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Beryllium, Total	0.374	J	mg/kg	0.418	0.028	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Cadmium, Total	0.300	J	mg/kg	0.836	0.082	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Calcium, Total	2130		mg/kg	8.36	2.93	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Chromium, Total	13.3		mg/kg	0.836	0.080	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Cobalt, Total	4.87		mg/kg	1.67	0.139	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Copper, Total	15.2		mg/kg	0.836	0.216	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Iron, Total	18200		mg/kg	4.18	0.755	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Lead, Total	45.1		mg/kg	4.18	0.224	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Magnesium, Total	1580		mg/kg	8.36	1.29	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Manganese, Total	449		mg/kg	0.836	0.133	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Mercury, Total	1.03		mg/kg	0.071	0.046	1	08/01/22 07:50	08/03/22 10:33	EPA 7471B	1,7471B	DMB
Nickel, Total	10.4		mg/kg	2.09	0.202	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Potassium, Total	573		mg/kg	209	12.0	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Selenium, Total	0.227	J	mg/kg	1.67	0.216	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.836	0.237	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Sodium, Total	80.5	J	mg/kg	167	2.63	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.67	0.263	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Vanadium, Total	23.0		mg/kg	0.836	0.170	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
Zinc, Total	27.9		mg/kg	4.18	0.245	2	08/01/22 10:30	08/03/22 10:48	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.89	0.89	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10700		mg/kg	9.08	2.45	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.54	0.345	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Arsenic, Total	3.06		mg/kg	0.908	0.189	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Barium, Total	58.8		mg/kg	0.908	0.158	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Beryllium, Total	0.411	J	mg/kg	0.454	0.030	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Cadmium, Total	0.253	J	mg/kg	0.908	0.089	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Calcium, Total	1930		mg/kg	9.08	3.18	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Chromium, Total	19.2		mg/kg	0.908	0.087	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Cobalt, Total	5.73		mg/kg	1.82	0.151	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Copper, Total	16.2		mg/kg	0.908	0.234	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Iron, Total	15800		mg/kg	4.54	0.820	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Lead, Total	47.7		mg/kg	4.54	0.243	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Magnesium, Total	1830		mg/kg	9.08	1.40	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Manganese, Total	320		mg/kg	0.908	0.144	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Mercury, Total	0.636		mg/kg	0.075	0.049	1	08/01/22 07:50	08/03/22 10:36	EPA 7471B	1,7471B	DMB
Nickel, Total	10.4		mg/kg	2.27	0.220	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Potassium, Total	618		mg/kg	227	13.1	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Selenium, Total	0.403	J	mg/kg	1.82	0.234	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.908	0.257	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Sodium, Total	72.2	J	mg/kg	182	2.86	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.82	0.286	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Vanadium, Total	22.4		mg/kg	0.908	0.184	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
Zinc, Total	34.5		mg/kg	4.54	0.266	2	08/01/22 10:30	08/03/22 10:52	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.96	0.96	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7430		mg/kg	9.09	2.45	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.54	0.345	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Arsenic, Total	2.84		mg/kg	0.909	0.189	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Barium, Total	49.0		mg/kg	0.909	0.158	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Beryllium, Total	0.363	J	mg/kg	0.454	0.030	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Cadmium, Total	0.209	J	mg/kg	0.909	0.089	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Calcium, Total	3460		mg/kg	9.09	3.18	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Chromium, Total	12.6		mg/kg	0.909	0.087	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Cobalt, Total	4.54		mg/kg	1.82	0.151	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Copper, Total	14.6		mg/kg	0.909	0.234	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Iron, Total	13100		mg/kg	4.54	0.821	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Lead, Total	110		mg/kg	4.54	0.244	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Magnesium, Total	1410		mg/kg	9.09	1.40	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Manganese, Total	243		mg/kg	0.909	0.144	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Mercury, Total	0.249		mg/kg	0.075	0.049	1	08/01/22 07:50	08/03/22 10:39	EPA 7471B	1,7471B	DMB
Nickel, Total	7.22		mg/kg	2.27	0.220	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Potassium, Total	459		mg/kg	227	13.1	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Selenium, Total	0.270	J	mg/kg	1.82	0.234	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.909	0.257	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Sodium, Total	89.5	J	mg/kg	182	2.86	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.82	0.286	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Vanadium, Total	16.5		mg/kg	0.909	0.184	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
Zinc, Total	40.4		mg/kg	4.54	0.266	2	08/01/22 10:30	08/03/22 10:55	EPA 3050B	1,6010D	JF
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13		mg/kg	0.96	0.96	1		08/09/22 23:45	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY
Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/01/22 12:27	08/03/22 08:47	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/01/22 09:48	08/01/22 15:33	EPA 3005A	1,6020B	WP
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		08/01/22 15:33	NA	107,-	

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 13 Batch: WG1669453-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Thallium, Total	0.00021	J	mg/l	0.00100	0.00014	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/01/22 09:48	08/01/22 15:27	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG1669561-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/01/22 07:50	08/03/22 09:04	1,7471B	DMB

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG1669687-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Barium, Total	ND		mg/kg	0.400	0.070	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Copper, Total	ND		mg/kg	0.400	0.103	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Iron, Total	ND		mg/kg	2.00	0.361	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Lead, Total	ND		mg/kg	2.00	0.107	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Manganese, Total	0.146	J	mg/kg	0.400	0.064	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Potassium, Total	ND		mg/kg	100	5.76	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Silver, Total	ND		mg/kg	0.400	0.113	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/01/22 10:30	08/02/22 11:43	1,6010D	JF

Prep Information

Digestion Method: EPA 3050B

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 13 Batch: WG1669754-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/01/22 12:27	08/03/22 08:41	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1669453-2								
Aluminum, Total	105		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	95		-		80-120	-		
Copper, Total	95		-		80-120	-		
Iron, Total	106		-		80-120	-		
Lead, Total	100		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	96		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	104		-		80-120	-		
Sodium, Total	105		-		80-120	-		
Thallium, Total	110		-		80-120	-		
Vanadium, Total	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1669453-2					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1669561-2 SRM Lot Number: D113-540					
Mercury, Total	99	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1669687-2 SRM Lot Number: D113-540					
Aluminum, Total	75	-	51-149	-	
Antimony, Total	153	-	20-250	-	
Arsenic, Total	96	-	70-130	-	
Barium, Total	88	-	75-125	-	
Beryllium, Total	91	-	75-125	-	
Cadmium, Total	92	-	75-125	-	
Calcium, Total	94	-	73-128	-	
Chromium, Total	97	-	70-130	-	
Cobalt, Total	93	-	75-125	-	
Copper, Total	98	-	75-125	-	
Iron, Total	101	-	36-164	-	
Lead, Total	98	-	72-128	-	
Magnesium, Total	88	-	63-138	-	
Manganese, Total	90	-	77-123	-	
Nickel, Total	93	-	70-130	-	
Potassium, Total	81	-	59-141	-	
Selenium, Total	92	-	66-134	-	
Silver, Total	94	-	70-131	-	
Sodium, Total	89	-	35-164	-	
Thallium, Total	91	-	70-130	-	
Vanadium, Total	98	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1669687-2 SRM Lot Number: D113-540					
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1669754-2					
Mercury, Total	87	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669453-3 QC Sample: L2240863-13 Client ID: SOFB02_072922												
Aluminum, Total	ND	2	2.04	102		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.4337	87		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.1180	98		-	-		75-125	-		20
Barium, Total	ND	2	1.984	99		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05488	110		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.05413	102		-	-		75-125	-		20
Calcium, Total	ND	10	9.92	99		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.1958	98		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.4819	96		-	-		75-125	-		20
Copper, Total	ND	0.25	0.2449	98		-	-		75-125	-		20
Iron, Total	ND	1	1.01	101		-	-		75-125	-		20
Lead, Total	ND	0.53	0.4972	94		-	-		75-125	-		20
Magnesium, Total	ND	10	10.1	101		-	-		75-125	-		20
Manganese, Total	ND	0.5	0.5118	102		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.4981	100		-	-		75-125	-		20
Potassium, Total	ND	10	9.64	96		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.120	100		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05164	103		-	-		75-125	-		20
Sodium, Total	ND	10	10.2	102		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1232	103		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4912	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669453-3 QC Sample: L2240863-13 Client ID: SOFB02_072922									
Zinc, Total	ND	0.5	0.4921	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669561-3 QC Sample: L2240800-10 Client ID: MS Sample									
Mercury, Total	ND	1.45	1.50	103	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669687-3 QC Sample: L2240800-10 Client ID: MS Sample										
Aluminum, Total	3040	171	2940	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	42.8	36.2	85		-	-	75-125	-	20
Arsenic, Total	0.542J	10.3	9.03	88		-	-	75-125	-	20
Barium, Total	38.3	171	185	86		-	-	75-125	-	20
Beryllium, Total	0.271J	4.28	4.15	97		-	-	75-125	-	20
Cadmium, Total	0.147J	4.53	3.89	86		-	-	75-125	-	20
Calcium, Total	922	855	1620	82		-	-	75-125	-	20
Chromium, Total	9.92	17.1	24.0	82		-	-	75-125	-	20
Cobalt, Total	3.03	42.8	37.0	79		-	-	75-125	-	20
Copper, Total	6.78	21.4	24.9	85		-	-	75-125	-	20
Iron, Total	9600	85.5	8790	**0**	Q	-	-	75-125	-	20
Lead, Total	3.99J	45.3	41.3	91		-	-	75-125	-	20
Magnesium, Total	1180	855	1700	**61**	Q	-	-	75-125	-	20
Manganese, Total	52.0	42.8	86.2	80		-	-	75-125	-	20
Nickel, Total	6.74	42.8	41.4	81		-	-	75-125	-	20
Potassium, Total	268	855	958	81		-	-	75-125	-	20
Selenium, Total	ND	10.3	8.01	78		-	-	75-125	-	20
Silver, Total	ND	25.7	22.0	86		-	-	75-125	-	20
Sodium, Total	83.4J	855	893	104		-	-	75-125	-	20
Thallium, Total	ND	10.3	8.20	80		-	-	75-125	-	20
Vanadium, Total	11.7	42.8	48.3	86		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669687-3 QC Sample: L2240800-10 Client ID: MS Sample									
Zinc, Total	17.0	42.8	49.0	75	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669754-3 QC Sample: L2240863-13 Client ID: SOFB02_072922									
Mercury, Total	ND	0.005	0.00476	95	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669453-4 QC Sample: L2240863-13 Client ID: SOFB02_072922						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	ND	ND	mg/l	NC		20
Manganese, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Potassium, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669453-4 QC Sample: L2240863-13 Client ID: SOFB02_072922					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669561-4 QC Sample: L2240800-10 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669687-4 QC Sample: L2240800-10 Client ID: DUP Sample					
Aluminum, Total	3040	2900	mg/kg	5	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	0.542J	0.475J	mg/kg	NC	20
Barium, Total	38.3	33.8	mg/kg	12	20
Beryllium, Total	0.271J	0.252J	mg/kg	NC	20
Cadmium, Total	0.147J	0.137J	mg/kg	NC	20
Calcium, Total	922	937	mg/kg	2	20
Chromium, Total	9.92	9.91	mg/kg	0	20
Cobalt, Total	3.03	2.82	mg/kg	7	20
Copper, Total	6.78	6.06	mg/kg	11	20
Iron, Total	9600	9150	mg/kg	5	20
Lead, Total	3.99J	3.89J	mg/kg	NC	20
Magnesium, Total	1180	1130	mg/kg	4	20
Manganese, Total	52.0	50.1	mg/kg	4	20
Nickel, Total	6.74	6.47	mg/kg	4	20
Potassium, Total	268	260	mg/kg	3	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	83.4J	84.9J	mg/kg	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669687-4 QC Sample: L2240800-10 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	11.7	11.1	mg/kg	5	20
Zinc, Total	17.0	16.1	mg/kg	5	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1669754-4 QC Sample: L2240863-13 Client ID: SOFB02_072922					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1669687-6 QC Sample: L2240800-10 Client ID: DUP Sample						
Magnesium, Total	1180	1320	mg/kg	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-01
Client ID: SB21_1-3
Sample Location: BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/29/22 09:30
Date Received: 07/29/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	0.38	J	mg/kg	1.0	0.22	1	08/01/22 11:40	08/02/22 09:03	1,9010C/9012B	CS
Chromium, Hexavalent	0.354	J	mg/kg	0.885	0.177	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-02
Client ID: SB21_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 09:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	08/01/22 11:40	08/02/22 09:05	1,9010C/9012B	CS
Chromium, Hexavalent	0.307	J	mg/kg	0.946	0.189	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-03
Client ID: SB21_20-22
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:20
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/01/22 11:40	08/02/22 09:06	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.968	0.194	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-04
Client ID: SB22_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 11:30
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	0.50	J	mg/kg	1.1	0.24	1	08/01/22 11:40	08/02/22 09:07	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.929	0.186	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-05
Client ID: SB23_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:05
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	0.50	J	mg/kg	1.0	0.21	1	08/01/22 11:40	08/02/22 09:10	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.851	0.170	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-06
Client ID: SB23_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:15
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/01/22 11:40	08/02/22 09:11	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.965	0.193	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-07
Client ID: SB24_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 12:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	0.31	J	mg/kg	1.1	0.23	1	08/01/22 11:40	08/02/22 09:12	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.908	0.182	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-08
Client ID: SB24_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	08/01/22 11:40	08/02/22 09:13	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	1.03	0.206	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-09
Client ID: SB25_1-3
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 13:50
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/01/22 11:40	08/02/22 09:14	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.871	0.174	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-10
Client ID: SB25_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:00
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	0.23	J	mg/kg	1.0	0.22	1	08/01/22 11:40	08/02/22 09:15	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.890	0.178	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-11
Client ID: SB26_8-10
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:10
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/01/22 11:40	08/02/22 09:16	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.959	0.192	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-12
Client ID: SB26_13-15
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 14:25
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	07/30/22 10:48	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/01/22 11:40	08/02/22 09:17	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.962	0.192	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

SAMPLE RESULTS

Lab ID: L2240863-13
Client ID: SOFB02_072922
Sample Location: BROOKLYN, NY

Date Collected: 07/29/22 10:45
Date Received: 07/29/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:36	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/30/22 08:45	07/30/22 08:56	1,7196A	KA

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2240863
Report Date: 08/10/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1669259-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	07/30/22 08:45	07/30/22 08:55	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1669670-1										
Cyanide, Total	0.23	J	mg/kg	0.89	0.19	1	08/01/22 11:40	08/02/22 08:58	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 11-12 Batch: WG1669671-1										
Cyanide, Total	0.23	J	mg/kg	0.89	0.19	1	08/01/22 11:40	08/02/22 08:58	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1670428-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/03/22 03:00	08/03/22 11:05	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1672228-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 07-12 Batch: WG1672232-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/07/22 18:45	08/09/22 23:45	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1669259-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1669670-2 WG1669670-3								
Cyanide, Total	87		81		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 11-12 Batch: WG1669671-2 WG1669671-3								
Cyanide, Total	87		81		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1670428-2 WG1670428-3								
Cyanide, Total	100		97		85-115	3		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1672228-2								
Chromium, Hexavalent	93		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 Batch: WG1672232-2								
Chromium, Hexavalent	93		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1669259-4 QC Sample: L2240863-13 Client ID: SOFB02_072922												
Chromium, Hexavalent	ND	0.1	0.099	99		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1669670-4 WG1669670-5 QC Sample: L2240863-01 Client ID: SB21_1-3												
Cyanide, Total	0.38J	11	12	110		11	97		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 11-12 QC Batch ID: WG1669671-4 WG1669671-5 QC Sample: L2240875-02 Client ID: MS Sample												
Cyanide, Total	ND	11	12	100		12	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1670428-4 WG1670428-5 QC Sample: L2240217-11 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.197	98		0.195	98		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1672228-4 QC Sample: L2240863-06 Client ID: SB23_13-15												
Chromium, Hexavalent	ND	1260	1210	96		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1672232-4 QC Sample: L2240863-10 Client ID: SB25_8-10												
Chromium, Hexavalent	ND	1410	1400	100		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2240863

Report Date: 08/10/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1669237-1 QC Sample: L2240863-01 Client ID: SB21_1-3						
Solids, Total	90.4	90.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1669259-3 QC Sample: L2240863-13 Client ID: SOFB02_072922						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1672228-6 QC Sample: L2240863-06 Client ID: SB23_13-15						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 07-12 QC Batch ID: WG1672232-6 QC Sample: L2240863-10 Client ID: SB25_8-10						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-01A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-01B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-01C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-01D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-01E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2240863-01G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-01H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-01J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-02A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-02B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-02C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-02D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-02E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2240863-02G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-02H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-02J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-03A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-03B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-03C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-03D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-03E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2240863-03G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-03H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-03J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-04A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-04B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-04C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-04D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-04E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-04G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-04H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-04J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-05A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-05B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-05C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-05D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-05E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-05F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2240863-05G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-05H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-05J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-06A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-06B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-06C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-06D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-06E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-06F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2240863-06G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-06H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-06J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-07A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-07B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-07C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-07D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-07E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-07F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2240863-07G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-07H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-07J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-08A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-08B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-08C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-08D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-08E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-08F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2240863-08G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-08H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-08J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-09A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-09B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-09C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-09D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-09E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-09F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2240863-09G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-09H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-09J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-10A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-10B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-10C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-10D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-10E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-10F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2240863-10G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-10H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-10J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-11A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-11B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-11C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-11D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-11E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-11F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-11G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-11H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-11J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2240863-12A	Vial MeOH preserved	C	NA		4.5	Y	Absent		NYTCL-8260HLW(14)
L2240863-12B	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-12C	Vial water preserved	C	NA		4.5	Y	Absent	30-JUL-22 03:26	NYTCL-8260HLW(14)
L2240863-12D	Plastic 2oz unpreserved for TS	B	NA		3.9	Y	Absent		TS(7)
L2240863-12E	Plastic 120ml unpreserved	C	NA		4.5	Y	Absent		TS(7)
L2240863-12F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2240863-12G	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-12H	Plastic 8oz unpreserved	B	NA	NA	3.9	Y	Absent		HOLD-537(14)
L2240863-12J	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)
L2240863-13A	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L2240863-13B	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L2240863-13C	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L2240863-13D	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8081(7)
L2240863-13E	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8081(7)
L2240863-13F	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8082(7)
L2240863-13G	Amber 120ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8082(7)
L2240863-13H	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		A2-L-EXT-14DIOXANE(7)
L2240863-13J	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		A2-L-EXT-14DIOXANE(7)
L2240863-13K	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8270-LVI(7)
L2240863-13L	Amber 250ml unpreserved	D	7	7	3.6	Y	Absent		NYTCL-8270-LVI(7)
L2240863-13M	Plastic 250ml unpreserved	D	7	7	3.6	Y	Absent		HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2240863
Report Date: 08/10/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2240863-13N	Plastic 250ml NaOH preserved	D	>12	>12	3.6	Y	Absent		TCN-9010(14)
L2240863-13O	Plastic 250ml unpreserved	D	NA		3.6	Y	Absent		HOLD-537(14)
L2240863-13P	Plastic 250ml HNO3 preserved	D	<2	<2	3.6	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)
L2240863-13Q	Amber 1000ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8151(7)
L2240863-13R	Amber 1000ml unpreserved	D	7	7	3.6	Y	Absent		HOLD-8151(7)
L2240863-14A	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)
L2240863-14B	Vial HCl preserved	D	NA		3.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

Data Qualifiers

Identified Compounds (TICs).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2240863
Project Number:	170588003	**Report Date:**	08/10/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 2

Date Rec'd in Lab: 7/29/22

ALPHA Job #: L2240863

Client Information
Client: Langan
Address: NYC
Phone: 212-479-5400
Fax: LMcDonnell@Langan
Email: PMcMahon@Langan

Project Information
Project Name: 450 Johnson Ave
Project Location: Brooklyn, NY
Project #: 170558001
(Use Project name as Project #): X
Project Manager: Paul McMahon
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please CC Datamanagment@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375 VOCs	PCBs, Pesticides, Herbicides	8151 Acid Metals	Hexavalent Chromium	Cyanide			1,4-Dioxane / PFAS	Sample Specific Comments	Total Bottle
L40863-01	SB21-1-3	7/29/22	9:30	S	VK	X	X	X	X				X	*HOLD PFAS*	
-02	SB21-13-15		9:45												
-03	SB21-20-22		10:20												
-04	SB22-1-3		11:30												
-05	SB23-1-3		12:05												
-06	SB23-13-15		12:15												
-07	SB24-1-3		12:50												
-08	SB24-13-15		13:00												
-09	SB25-1-3		13:50												
-10	SB25-8-10		14:00												

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	7/29/22 1500		7/29/22 15:00
	7/29/22 18:00		7/29/22 1930
	7/29 2125		7/29 2125
	7/29 2335		7/29/22 2335

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288
Service Centers: Mahwah, NJ 07430: 35 Whitney Rd, Suite 5; Albany, NY 12205: 14 Walker Way; Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 7/29/22

ALPHA Job #: L2240863

Client Information
Client: Langan
Address: NYC
Phone: 212-479-5400
Fax: LMcconnell@Langan
Email: PMcMahon@Langan

Project Information
Project Name: 450 Johnson Ave
Project Location: Brooklyn, NY
Project #: 170588501
(Use Project name as Project #): ☒
Project Manager: Paul McMahon
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please include Datamanagement@Langan.com

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375/TCL VOCs	PCBs, Pesticides, Herbicides	375 TAL Metals, Hex + Tri Chromium	Cyanide			1,4 Dioxane, PFAS	Sample Specific Comments	Total Bottle
L0863-11	SB26-8-10	7/29/22	14:10	S	VK	X	X	X	X			X	+ HOLD PFAS	
-12	SB26-13-15		14:25	S										
-13	SDFB02-072922		10:45	AQ										
-14	TB02-072922			AQ										

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

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

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

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
	7/29/22 1500		7/29/22 1500
	7/29/22 1830		7/29 1930
	7/29 2125		7/29 2125
	7/29 2335		7/29/22 2335

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

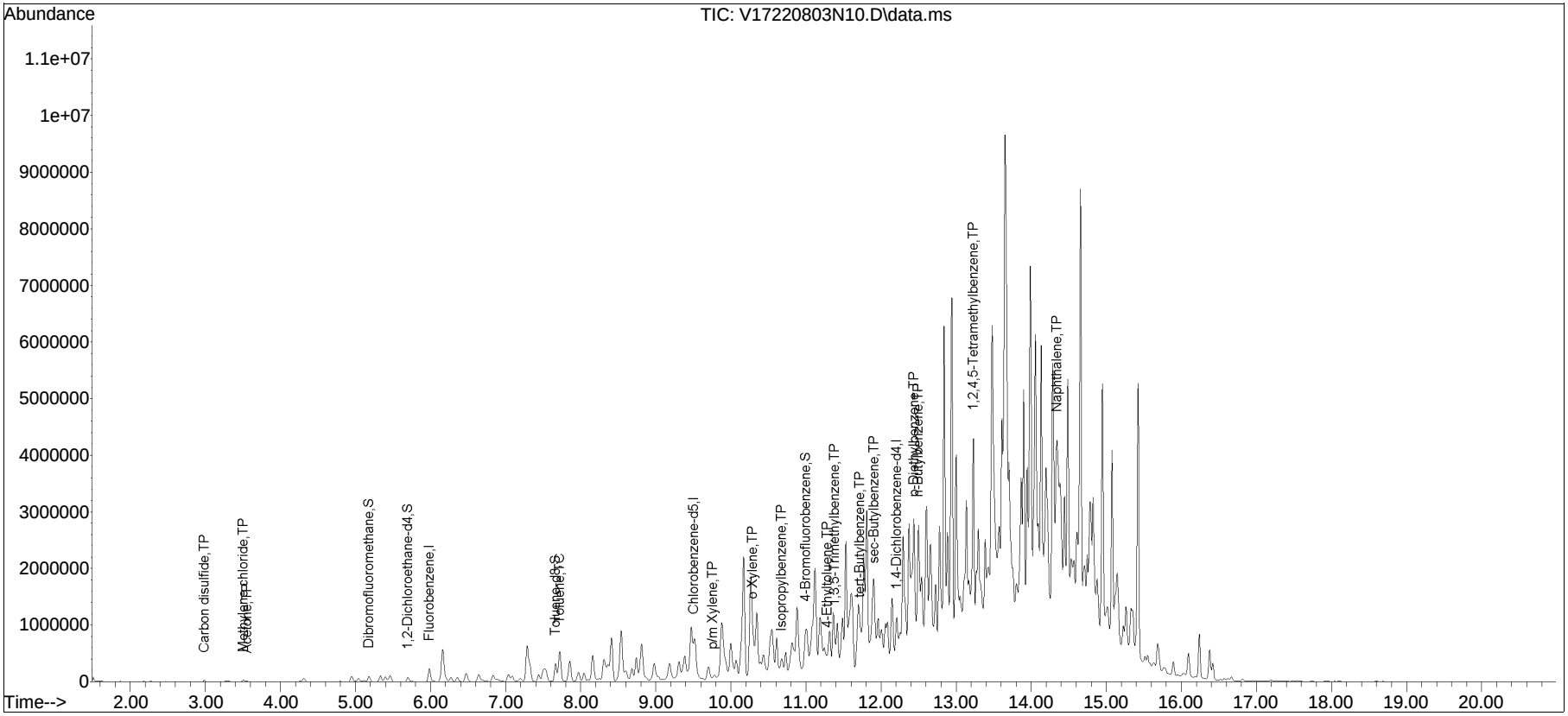
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA117\2022\220803N\
Data File : V17220803N10.D
Acq On : 03 Aug 2022 07:02 pm
Operator : VOA117:JC
Sample : l2240863-12,31,3.77,5,,c,pri
Misc : WG1671137,ICAL19189
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 04 06:49:33 2022
Quant Method : I:\VOLATILES\VOA117\2022\220803N\V117_220718A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 19 11:47:07 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox20803N\V17220803N01.D•



ANALYTICAL REPORT

Lab Number:	L2241086
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	450 JOHNSON AVE
Project Number:	170588003
Report Date:	08/08/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2241086-01	SSV04_080122	SOIL_VAPOR	450 JOHNSON AVE	08/01/22 16:36	08/01/22
L2241086-02	SV01_080122	SOIL_VAPOR	450 JOHNSON AVE	08/01/22 14:24	08/01/22
L2241086-03	UNUSED #980	SOIL_VAPOR	450 JOHNSON AVE	08/01/22 14:24	08/01/22
L2241086-04	UNUSED #2983	SOIL_VAPOR	450 JOHNSON AVE	08/01/22 14:24	08/01/22

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241086
Project Number:	170588003	**Report Date:**	08/08/22

Case Narrative

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

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

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

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

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

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

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241086
Project Number:	170588003	**Report Date:**	08/08/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 28, 2022. The canister certification results are provided as an addendum.

For the sample designated SSV04_080122 (L2241086-01) the sample required a dilution greater than 4x; based on direction from the client the New York Decision Matrix Compounds have been reported by TO15-SIM for these samples.

L2241086-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 08/08/22

AIR

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-01 D
Client ID: SSV04_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 16:36
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/05/22 22:57
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
Freon-114	ND	2.00	--	ND	14.0	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethanol	292	50.0	--	550	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	30.2	10.0	--	71.7	23.8	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
Isopropanol	27.3	5.00	--	67.1	12.3	--		10
Tertiary butyl Alcohol	ND	5.00	--	ND	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	5.49	2.00	--	17.1	6.23	--		10
Freon-113	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	9.69	2.00	--	47.3	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-01 D
Client ID: SSV04_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 16:36
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	10.8	2.00	--	38.1	7.05	--		10
Benzene	6.33	2.00	--	20.2	6.39	--		10
Cyclohexane	4.57	2.00	--	15.7	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	24.1	2.00	--	98.8	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
Xylenes, Total	4.39	2.00	--	19.1	8.69	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	31.4	2.00	--	118	7.54	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	814	2.00	--	5520	13.6	--		10
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	4.39	4.00	--	19.1	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-01 D
Client ID: SSV04_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 16:36
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-01 D
Client ID: SSV04_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 16:36
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/05/22 22:57
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
cis-1,2-Dichloroethene	1.25	0.200	--	4.96	0.793	--		10
1,1,1-Trichloroethane	0.410	0.200	--	2.24	1.09	--		10
Carbon tetrachloride	0.220	0.200	--	1.38	1.26	--		10
Trichloroethene	67.9	0.200	--	365	1.07	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-02
Client ID: SV01_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 14:24
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/06/22 00:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--		1
Chloromethane	0.419	0.200	--	0.865	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.525	0.200	--	1.16	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	58.2	1.00	--	138	2.38	--		1
Trichlorofluoromethane	0.240	0.200	--	1.35	1.12	--		1
Isopropanol	1.10	0.500	--	2.70	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	15.4	0.500	--	46.7	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	15.1	0.200	--	47.0	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.07	0.500	--	12.0	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-02
Client ID: SV01_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 14:24
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.40	0.200	--	8.46	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.47	0.200	--	7.89	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	3.85	0.200	--	13.3	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylenes, Total	3.34	0.200	--	14.5	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	3.04	0.200	--	12.5	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.16	0.200	--	11.9	0.754	--		1
2-Hexanone	0.850	0.200	--	3.48	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.555	0.200	--	3.76	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

SAMPLE RESULTS

Lab ID: L2241086-02
Client ID: SV01_080122
Sample Location: 450 JOHNSON AVE

Date Collected: 08/01/22 14:24
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	0.667	0.200	--	2.90	0.869	--		1
p/m-Xylene	2.09	0.400	--	9.08	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.24	0.200	--	5.39	0.869	--		1
4-Ethyltoluene	0.385	0.200	--	1.89	0.983	--		1
1,3,5-Trimethylbenzene	0.731	0.200	--	3.59	0.983	--		1
1,2,4-Trimethylbenzene	1.24	0.200	--	6.10	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	102		60-140

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/05/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1671893-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/05/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1671893-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/05/22 15:50

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1671893-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241086
Report Date: 08/08/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 08/05/22 16:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG1671896-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1671893-3								
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	92		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethanol	96		-		40-160	-		
Vinyl bromide	76		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	71		-		70-130	-		
Isopropanol	93		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
Freon-113	87		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241086

Report Date: 08/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1671893-3								
Ethyl Acetate	110		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	89		-		70-130	-		
n-Hexane	107		-		70-130	-		
1,1,1-Trichloroethane	105		-		70-130	-		
Benzene	109		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	116		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	109		-		70-130	-		
Heptane	114		-		70-130	-		
cis-1,3-Dichloropropene	118		-		70-130	-		
4-Methyl-2-pentanone	116		-		70-130	-		
trans-1,3-Dichloropropene	99		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	105		-		70-130	-		
Dibromochloromethane	93		-		70-130	-		
1,2-Dibromoethane	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241086

Report Date: 08/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1671893-3								
Tetrachloroethene	92		-		70-130	-		
Chlorobenzene	92		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	93		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	89		-		70-130	-		
1,1,2,2-Tetrachloroethane	110		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	83		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	74		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
1,2,4-Trichlorobenzene	99		-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241086

Report Date: 08/08/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1671896-3								
Vinyl chloride	95		-		70-130	-		25
1,1-Dichloroethene	95		-		70-130	-		25
cis-1,2-Dichloroethene	90		-		70-130	-		25
1,1,1-Trichloroethane	104		-		70-130	-		25
Carbon tetrachloride	103		-		70-130	-		25
Trichloroethene	94		-		70-130	-		25
Tetrachloroethene	81		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1671893-5 QC Sample: L2241086-01 Client ID: SSV04_080122						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	292	310	ppbV	6		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	30.2	32.4	ppbV	7		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	27.3	28.7	ppbV	5		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	5.49	5.74	ppbV	4		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1671893-5 QC Sample: L2241086-01 Client ID: SSV04_080122						
Chloroform	9.69	9.73	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	10.8	10.6	ppbV	2		25
Benzene	6.33	6.20	ppbV	2		25
Cyclohexane	4.57	4.57	ppbV	0		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	24.1	24.0	ppbV	0		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylenes, Total	4.39	4.28	ppbV	3		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	31.4	31.7	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	814	838	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1671893-5 QC Sample: L2241086-01 Client ID: SSV04_080122						
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	4.39	4.28	ppbV	3		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1671896-5 QC Sample: L2241086-01 Client ID: SSV04_080122						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	1.25	1.20	ppbV	4		25
1,1,1-Trichloroethane	0.410	0.460	ppbV	11		25
Carbon tetrachloride	0.220	ND	ppbV	NC		25
Trichloroethene	67.9	67.8	ppbV	0		25

Project Name: 450 JOHNSON AVE

Lab Number: L2241086

Project Number: 170588003

Report Date: 08/08/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2241086-01	SSV04_080122	02157	FLOW 4	07/28/22	395072		-	-	-	Pass	10.0	9.2	8
L2241086-01	SSV04_080122	2321	6.0L Can	07/28/22	395072	L2237768-02	Pass	-29.4	-7.9	-	-	-	-
L2241086-02	SV01_080122	01451	Flow 2	07/28/22	395072		-	-	-	Pass	40.0	36.9	8
L2241086-02	SV01_080122	2328	6.0L Can	07/28/22	395072	L2237768-02	Pass	-29.4	-5.8	-	-	-	-
L2241086-03	UNUSED #980	01614	Flow 4	07/28/22	395072		-	-	-	Pass	10.0	10.5	5
L2241086-03	UNUSED #980	980	6.0L Can	07/28/22	395072	L2236380-03	Pass	-29.4	-8.2	-	-	-	-
L2241086-04	UNUSED #2983	0770	Flow 2	07/28/22	395072		-	-	-	Pass	40.0	1.1	189
L2241086-04	UNUSED #2983	2983	6.0L Can	07/28/22	395072	L2237768-02	Pass	-29.4	-15.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/09/22 18:12
Analyst: NL

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/22 18:12
Analyst: NL

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2236380
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2236380-03
Client ID: CAN 2106 SHELF 31
Sample Location:

Date Collected: 07/07/22 18:00
Date Received: 07/08/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/16/22 18:33
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/16/22 18:33
Analyst: RY

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2237768

Project Number: CANISTER QC BAT **Report Date:** 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2237768
Report Date: 08/08/22

Air Canister Certification Results

Lab ID: L2237768-02
Client ID: CAN 3081 SHELF 36
Sample Location:

Date Collected: 07/14/22 18:00
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241086
Report Date: 08/08/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2241086-01A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L2241086-02A	Canister - 6 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L2241086-03A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()
L2241086-04A	Canister - 6 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241086
Project Number:	170588003	**Report Date:**	08/08/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241086
Project Number:	170588003	**Report Date:**	08/08/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241086
Project Number:	170588003	**Report Date:**	08/08/22

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 8/2/22

ALPHA Job #: L2241086

Client Information

Client: LANGAN
Address: 360 W. 31st St.
NY NY 10001
Phone: 212 479 5400
Fax: ~~Lizm~~ lmcconnell@langan.com
Email: pmcmahon@langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 450 Johnson Ave.
Project Location: 450 Johnson Ave
Project #: 170588003
Project Manager: Paul McMahon
ALPHA Quote #:

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Please cc: datamanagement@langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subject Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
41086-01	SSV04_080122	8/1/22	08:19	16:36	-30.25	-7.31	~~SV~~ SV	LM	6L	7321	02157	X					
	1A04_080122	↓	09:45	16:37	-30.01	-9.10	AA	LM	↓	980	01614	X					lm
-02	SV01_080122	↓	12:19	14:24	-29.94	-5.35	SV	LM	~~6L~~	7328	01451	X					

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	8/1/22 4:50		8/1/22 16:30
	8/1/22 18:20		8/1/22 21:00
	8/2/22 02:30	8/2/22	8/1/22 25:3

ANALYTICAL REPORT

Lab Number:	L2241089
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	450 JOHNSON AVE
Project Number:	170588003
Report Date:	08/05/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241089
Report Date: 08/05/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2241089-01	TMW09_080122	WATER	450 JOHNSON AVE. BK, NY	08/01/22 12:00	08/01/22
L2241089-02	TMW10_080122	WATER	450 JOHNSON AVE. BK, NY	08/01/22 14:30	08/01/22
L2241089-03	DUP01_080122	WATER	450 JOHNSON AVE. BK, NY	08/01/22 00:00	08/01/22
L2241089-04	FB01_080122	WATER	450 JOHNSON AVE. BK, NY	08/01/22 15:00	08/01/22
L2241089-05	TB01_080122	WATER	450 JOHNSON AVE. BK, NY	08/01/22 00:00	08/01/22

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241089
Project Number:	170588003	**Report Date:**	08/05/22

Case Narrative

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

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

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

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

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

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

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241089
Project Number:	170588003	**Report Date:**	08/05/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2241089-04: The collection date and time on the chain of custody was 01-AUG-22 15:00; however, the collection date/time on the container label was 01-AUG-22 15:05. At the client's request, the collection date/time is reported as 01-AUG-22 15:00.

L2241089-05: A sample identified as "TB01_080122" was listed on the Chain of Custody, but not received. This was verified by the client.

Volatile Organics

The WG1670951-6/-7 MS/MSD recoveries, performed on L2241089-01, are outside the acceptance criteria for vinyl chloride (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 08/05/22

ORGANICS

VOLATILES

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-01
Client ID: TMW09_080122
Sample Location: 450 JOHNSON AVE. BK, NY

Date Collected: 08/01/22 12:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/02/22 21:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	140		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2241089

Project Number: 170588003 **Report Date:** 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-01 Date Collected: 08/01/22 12:00

Client ID: TMW09_080122 Date Received: 08/01/22

Sample Location: 450 JOHNSON AVE. BK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	19		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-01
Client ID: TMW09_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 12:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	108		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-02
Client ID: TMW10_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 14:30
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/02/22 21:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	5.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2241089

Project Number: 170588003 **Report Date:** 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-02 Date Collected: 08/01/22 14:30

Client ID: TMW10_080122 Date Received: 08/01/22

Sample Location: 450 JOHNSON AVE. BK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.8		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	26		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	26		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.4	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-02
Client ID: TMW10_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 14:30
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-03
Client ID: DUP01_080122
Sample Location: 450 JOHNSON AVE. BK, NY

Date Collected: 08/01/22 00:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/02/22 21:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	130		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE **Lab Number:** L2241089

Project Number: 170588003 **Report Date:** 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-03 Date Collected: 08/01/22 00:00

Client ID: DUP01_080122 Date Received: 08/01/22

Sample Location: 450 JOHNSON AVE. BK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	17		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 450 JOHNSON AVE
Lab Number: L2241089
Project Number: 170588003
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-03
Client ID: DUP01_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 00:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	107		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-04
Client ID: FB01_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 15:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/02/22 20:39
Analyst: MV

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

Project Name: 450 JOHNSON AVE **Lab Number:** L2241089

Project Number: 170588003 **Report Date:** 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-04 Date Collected: 08/01/22 15:00

Client ID: FB01_080122 Date Received: 08/01/22

Sample Location: 450 JOHNSON AVE. BK, NY Field Prep: Not Specified

Sample Depth:

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

Project Name: 450 JOHNSON AVE
Lab Number: L2241089
Project Number: 170588003
Report Date: 08/05/22

SAMPLE RESULTS

Lab ID: L2241089-04
Client ID: FB01_080122
Sample Location: 450 JOHNSON AVE. BK, NY
Date Collected: 08/01/22 15:00
Date Received: 08/01/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 19:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1670951-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 19:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1670951-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	1.9	J	ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 450 JOHNSON AVE
Project Number: 170588003
Lab Number: L2241089
Report Date: 08/05/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/02/22 19:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1670951-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241089
Report Date: 08/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1670951-3 WG1670951-4								
Methylene chloride	110		95		70-130	15		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		99		70-130	11		20
Carbon tetrachloride	96		87		63-132	10		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	90		83		63-130	8		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	110		96		70-130	14		20
Chlorobenzene	100		94		75-130	6		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	100		94		67-130	6		20
Bromodichloromethane	98		91		67-130	7		20
trans-1,3-Dichloropropene	90		82		70-130	9		20
cis-1,3-Dichloropropene	88		85		70-130	3		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	85		74		54-136	14		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	110		100		70-130	10		20
Toluene	100		92		70-130	8		20
Ethylbenzene	100		94		70-130	6		20
Chloromethane	100		88		64-130	13		20
Bromomethane	92		85		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1670951-3 WG1670951-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		99		61-145	11		20
trans-1,2-Dichloroethene	110		99		70-130	11		20
Trichloroethene	100		95		70-130	5		20
1,2-Dichlorobenzene	110		93		70-130	17		20
1,3-Dichlorobenzene	110		95		70-130	15		20
1,4-Dichlorobenzene	110		93		70-130	17		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		95		70-130	10		20
o-Xylene	105		95		70-130	10		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	100		99		70-130	1		20
1,2,3-Trichloropropane	110		100		64-130	10		20
Acrylonitrile	110		110		70-130	0		20
Styrene	105		95		70-130	10		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	140		130		58-148	7		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	130		120		63-138	8		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	110		100		59-130	10		20
2-Hexanone	100		96		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1670951-3 WG1670951-4								
Bromochloromethane	110		97		70-130	13		20
2,2-Dichloropropane	97		87		63-133	11		20
1,2-Dibromoethane	110		99		70-130	11		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	96		88		64-130	9		20
Bromobenzene	110		90		70-130	20		20
n-Butylbenzene	110		95		53-136	15		20
sec-Butylbenzene	110		92		70-130	18		20
tert-Butylbenzene	110		90		70-130	20		20
o-Chlorotoluene	110		94		70-130	16		20
p-Chlorotoluene	110		92		70-130	18		20
1,2-Dibromo-3-chloropropane	97		81		41-144	18		20
Hexachlorobutadiene	110		91		63-130	19		20
Isopropylbenzene	110		92		70-130	18		20
p-Isopropyltoluene	110		91		70-130	19		20
Naphthalene	100		89		70-130	12		20
n-Propylbenzene	110		94		69-130	16		20
1,2,3-Trichlorobenzene	110		93		70-130	17		20
1,2,4-Trichlorobenzene	100		90		70-130	11		20
1,3,5-Trimethylbenzene	110		91		64-130	19		20
1,2,4-Trimethylbenzene	110		90		70-130	20		20
1,4-Dioxane	104		104		56-162	0		20
p-Diethylbenzene	110		89		70-130	**21**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1670951-3 WG1670951-4								
p-Ethyltoluene	110		91		70-130	19		20
1,2,4,5-Tetramethylbenzene	100		86		70-130	15		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		118		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	103		99		70-130
Dibromofluoromethane	102		103		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1670951-6 WG1670951-7 QC Sample: L2241089-01 Client ID: TMW09_080122												
Methylene chloride	ND	10	8.4	84		8.4	84		70-130	0		20
1,1-Dichloroethane	ND	10	10	100		9.8	98		70-130	2		20
Chloroform	ND	10	9.4	94		9.2	92		70-130	2		20
Carbon tetrachloride	ND	10	8.4	84		8.6	86		63-132	2		20
1,2-Dichloropropane	ND	10	9.3	93		9.0	90		70-130	3		20
Dibromochloromethane	ND	10	7.4	74		7.5	75		63-130	1		20
1,1,2-Trichloroethane	ND	10	9.0	90		8.6	86		70-130	5		20
Tetrachloroethene	ND	10	9.5	95		9.5	95		70-130	0		20
Chlorobenzene	ND	10	9.1	91		9.3	93		75-130	2		20
Trichlorofluoromethane	ND	10	10	100		10	100		62-150	0		20
1,2-Dichloroethane	ND	10	9.9	99		9.8	98		70-130	1		20
1,1,1-Trichloroethane	ND	10	9.2	92		9.1	91		67-130	1		20
Bromodichloromethane	ND	10	8.2	82		8.2	82		67-130	0		20
trans-1,3-Dichloropropene	ND	10	7.1	71		7.1	71		70-130	0		20
cis-1,3-Dichloropropene	ND	10	7.2	72		7.1	71		70-130	1		20
1,1-Dichloropropene	ND	10	10	100		9.9	99		70-130	1		20
Bromoform	ND	10	6.4	64		6.5	65		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	8.8	88		8.9	89		67-130	1		20
Benzene	ND	10	9.6	96		9.4	94		70-130	2		20
Toluene	ND	10	9.2	92		9.2	92		70-130	0		20
Ethylbenzene	ND	10	9.4	94		9.5	95		70-130	1		20
Chloromethane	ND	10	9.4	94		9.2	92		64-130	2		20
Bromomethane	ND	10	6.7	67		6.7	67		39-139	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1670951-6 WG1670951-7 QC Sample: L2241089-01 Client ID: TMW09_080122												
Vinyl chloride	140	10	130	**0**	Q	130	**0**	Q	55-140	0		20
Chloroethane	ND	10	22	**220**	Q	18	**180**	Q	55-138	20		20
1,1-Dichloroethene	ND	10	9.8	98		9.7	97		61-145	1		20
trans-1,2-Dichloroethene	ND	10	9.4	94		9.7	97		70-130	3		20
Trichloroethene	ND	10	9.2	92		9.3	93		70-130	1		20
1,2-Dichlorobenzene	ND	10	9.2	92		8.9	89		70-130	3		20
1,3-Dichlorobenzene	ND	10	9.2	92		9.3	93		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.1	91		9.2	92		70-130	1		20
Methyl tert butyl ether	ND	10	8.7	87		8.8	88		63-130	1		20
p/m-Xylene	ND	20	19	95		19	95		70-130	0		20
o-Xylene	ND	20	18	90		19	95		70-130	5		20
cis-1,2-Dichloroethene	19	10	25	**60**	Q	24	**50**	Q	70-130	4		20
Dibromomethane	ND	10	8.6	86		8.7	87		70-130	1		20
1,2,3-Trichloropropane	ND	10	8.6	86		8.7	87		64-130	1		20
Acrylonitrile	ND	10	8.6	86		8.6	86		70-130	0		20
Styrene	ND	20	18	90		18	90		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		9.8	98		36-147	2		20
Acetone	3.4J	10	11	110		13	130		58-148	17		20
Carbon disulfide	ND	10	11	110		11	110		51-130	0		20
2-Butanone	ND	10	9.9	99		8.9	89		63-138	11		20
Vinyl acetate	ND	10	9.0	90		8.8	88		70-130	2		20
4-Methyl-2-pentanone	ND	10	8.0	80		8.1	81		59-130	1		20
2-Hexanone	ND	10	7.6	76		7.5	75		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1670951-6 WG1670951-7 QC Sample: L2241089-01 Client ID: TMW09_080122												
Bromochloromethane	ND	10	9.1	91		9.0	90		70-130	1		20
2,2-Dichloropropane	ND	10	7.0	70		7.0	70		63-133	0		20
1,2-Dibromoethane	ND	10	8.7	87		8.8	88		70-130	1		20
1,3-Dichloropropane	ND	10	8.8	88		9.0	90		70-130	2		20
1,1,1,2-Tetrachloroethane	ND	10	8.0	80		8.0	80		64-130	0		20
Bromobenzene	ND	10	9.0	90		9.1	91		70-130	1		20
n-Butylbenzene	ND	10	9.3	93		9.4	94		53-136	1		20
sec-Butylbenzene	ND	10	9.8	98		9.6	96		70-130	2		20
tert-Butylbenzene	ND	10	9.5	95		9.6	96		70-130	1		20
o-Chlorotoluene	ND	10	9.5	95		9.3	93		70-130	2		20
p-Chlorotoluene	ND	10	9.4	94		9.2	92		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	6.8	68		6.8	68		41-144	0		20
Hexachlorobutadiene	ND	10	9.1	91		8.8	88		63-130	3		20
Isopropylbenzene	ND	10	9.5	95		9.6	96		70-130	1		20
p-Isopropyltoluene	ND	10	9.3	93		9.3	93		70-130	0		20
Naphthalene	ND	10	8.0	80		8.0	80		70-130	0		20
n-Propylbenzene	ND	10	9.6	96		9.6	96		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	8.6	86		8.5	85		70-130	1		20
1,2,4-Trichlorobenzene	ND	10	8.6	86		8.5	85		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	9.2	92		9.2	92		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	9.1	91		9.0	90		70-130	1		20
1,4-Dioxane	ND	500	430	86		390	78		56-162	10		20
p-Diethylbenzene	ND	10	9.0	90		9.0	90		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 450 JOHNSON AVE

Project Number: 170588003

Lab Number: L2241089

Report Date: 08/05/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1670951-6 WG1670951-7 QC Sample: L2241089-01 Client ID: TMW09_080122												
p-Ethyltoluene	ND	10	9.4	94		9.3	93		70-130	1		20
1,2,4,5-Tetramethylbenzene	ND	10	8.6	86		8.5	85		70-130	1		20
Ethyl ether	ND	10	8.8	88		9.1	91		59-134	3		20
trans-1,4-Dichloro-2-butene	ND	10	7.4	74		7.5	75		70-130	1		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	97		99		70-130
Toluene-d8	99		100		70-130

Project Name: 450 JOHNSON AVE
Project Number: 170588003

Lab Number: L2241089
Report Date: 08/05/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2241089-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01A1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01A2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01B1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01B2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01C1	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-01C2	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2241089-04C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241089
Project Number:	170588003	**Report Date:**	08/05/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241089
Project Number:	170588003	**Report Date:**	08/05/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	450 JOHNSON AVE	**Lab Number:**	L2241089
Project Number:	170588003	**Report Date:**	08/05/22

Data Qualifiers

Identified Compounds (TICs).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

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NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 8/1/22

ALPHA Job #: L2241089

Client Information
Client: LANGAN
Address: 360 W 31st St
NY NY 10001
Phone: 212 479 5400
Fax: mconnell@langan.com
Email: pmcmahon@langan.com

Project Information
Project Name: 450 Johnson Ave
Project Location: 450 Johnson Ave. BK NY
Project # 170588003
(Use Project name as Project #) ☐
Project Manager: Paul McMahon
ALPHAQuote #:

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

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please cc: datamanagement@langan.com

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Part 375/Ftl VOCs	Sample Filtration / Preservation	Sample Specific Comments	Total Bottle
41089-01	TMW09_080122	8/1/22	12:00	W	LM	X		MS/MSD	
02	TMW10_080122	"	14:30	"	"	"			
03	DUP01_080122	"	—	"	"	"			
04	FB01_080122	"	15:00	"	"	"			
05	TB01_080122	"	—	"	"	"			

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

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

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

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

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	8/1/22 16:50		8/1/22 16:30
	8/1/22 1930		8/1 1930
	8/1 2130		8/1/22 2130
	8/1/22 2335		8/1/22 23:35

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

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