



24 November 2021  
File No. 0200894

Via Electronic Mail

Rose Castle Redevelopment II LLC  
C/O Zelig Weiss  
266 Broadway, Suite 301  
Brooklyn, NY 11211

Attention: Mr. Zelig Weiss

**RE: Limited Phase II Environmental Site Investigation Report  
43 Franklin Avenue  
Brooklyn, New York**

Dear Mr. Weiss:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to Rose Castle Redevelopment II LLC summarizing the results of the Limited Phase II Environmental Site Investigation (ESI) completed at the property located at 43 Franklin Avenue, Brooklyn, New York (the Site) on 05 November 2021.

## **BACKGROUND**

The Site, identified as Block 1885, Lot 15 on the New York City tax map in a M1-2/R6A, Special Use District MX-4 zoning area, is a vacant lot approximately 32,250-square-feet in size. Access to the vacant lot is via locked chain-link gates along both Franklin Avenue and Skillman Street. The Site is bound to the north by an auto parts store followed by a mixed-use commercial/office building, to the east by Skillman Street followed by commercial/industrial buildings, to the south by multi-family residential buildings, and to the west by Franklin Avenue followed by a seafood distribution center and a hotel. The Site is located within a mixed-use area characterized by low-rise commercial, industrial, and residential buildings. The Site is located in an Environmental "En-Zone" identified as Census Tract 1237.

The Site is listed with an environmental E-Designation (E-395) for hazardous materials, and air quality (HVAC limited to natural gas and exhaust stack limitations) resulting from a City Environmental Quality Review (CEQR) effective 05 May 2017 (CEQR # 16DCP121K). Satisfaction of the E-Designation requirements is subject to review and approval by the New York City Mayor's Office of Environmental Remediation (OER) prior to redevelopment.

Although the future development plans are in preliminary design phases, the proposed development will consist of constructing up to two new mixed-use (residential and commercial), mixed-income buildings that will provide approximately 50 new affordable residential rental units pursuant to 421-a. The buildings will be accessible via Franklin Avenue and Skillman Street.

Based on a Phase I Environmental Site Assessment (ESA) completed by Equity Environmental Engineering (Equity) for the Site in August 2015, the Site was developed in the late 1800s and was part of the "Gutta Percha & Rubber Manufacturing Company," a rubber manufacturing company. Early Sanborn Maps depict several small buildings on the Site with rooms designated for packing, pressing, and storage. Historic maps identify at least six storage tanks of unknown contents at the Site. Additionally, it is unknown if the storage tanks were above grade or below grade. Tank sizes are not identified with the exception of one, 60,000-gallon tank. In addition, historic Sanborn Maps dated 1904, 1918, and 1921 depict an 8-inch diameter well in the center of the Site while the property operated as a rubber manufacturing company. By the late 1940s, operations of the "Gutta Percha & Rubber Manufacturing Company" ceased and the buildings were razed leaving the Site as a vacant lot. In the mid-1960s, the Site began operation as a parking lot and ceased operation in October 2021. The lot is now vacant.

Historical use of the surrounding properties up- and cross-gradient to the Site included a manufactured gas plant (i.e., Nassau Gas Light Company across Skillman Street), rubber manufacturing, commercial storefronts, and residential dwellings. Historical use of adjoining and up-gradient properties included rubber manufacturing (i.e., buildings operated by Gutta Percha & Rubber Manufacturing Company), a brewery/malt house, light manufacturing, and auto repair.

A limited subsurface investigation was performed at the Site in January 2021 by Environmental Business Consultants (EBC) and included advancement of eight soil borings and collection of 11 soil samples for chemical analysis. Of the 11 samples collected, three shallow soil samples collected from the 0-2 ft interval contained SVOCs (specifically polycyclic aromatic hydrocarbons [PAHs]) at concentrations in exceedance of NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted-Residential Use Soil Cleanup Objectives (RRSCOs). SVOC concentrations in one soil sample B3 were 1-2 orders of magnitude above the RRSCOs. Heavy metals including Arsenic, barium, chromium, lead, and mercury were identified in up to three shallow soil borings located throughout the site. Results from the January 2021 limited subsurface investigation are shown on Figure 2.

## **SUBSURFACE INVESTIGATION**

On 05 November 2021, Haley & Aldrich mobilized to the Site with AARCO Environmental Services, Corp. (AARCO) to perform the Limited Phase II ESI which included installation of eight soil borings, two temporary groundwater monitoring wells, and two temporary soil vapor points using a direct-push Geoprobe® drill rig.

A Haley & Aldrich field personnel was on-site to document field observations and to collect soil, groundwater, and soil vapor samples. Boring locations were chosen to assess the impacts from potential on- and off-site sources and to characterize subsurface conditions at the Site. The eight soil borings were installed throughout the Site to depths ranging from 19-25 feet below ground surface (ft bgs). Two temporary groundwater monitoring wells, TW1 and TW2, were installed to depths of 20 ft bgs and 26 ft bgs, located adjacent to SB1 and SB2, respectively. Two temporary soil vapor points, SV1 and SV2, were installed to depths of 12 ft bgs and 16 ft bgs (or 1-2 feet above the groundwater interface, i.e., the vadose zone), located adjacent to SB1 and SB3, respectively.

Urban fill generally consisting of brown to dark brown, coarse to fine sand with varying amounts of gravel, brick, asphalt, and silt was observed from surface grade to approximately 5 to 15 ft bgs in each

soil boring. The urban fill layer was underlain by a potential native layer consisting of brown to light brown medium to fine sand with varying amounts of coarse sand, silt, gravel, and gravel and intermittent clay lenses. Soil samples were collected continuously, characterized, and screened for visual and olfactory evidence of contamination such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). No apparent subsurface impacts were observed, including odors and staining, and PID readings of non-detect at 0.0 parts per million (ppm) were recorded. Soil boring logs are included in Attachment A. Groundwater was encountered during the investigation at depths ranging from 14.25 to 16.91 ft bgs at TW1 and TW2, respectively. Temporary monitoring well installation logs are included in Attachment B.

One soil sample was collected from each soil boring (with the exception of SB7) and a second soil sample was collected at boring SB8. Shallow drilling refusal from 2-4 ft bgs was encountered at soil boring SB7; therefore soil samples were not collected from this location. Soil samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and total metals. One groundwater sample was collected from each temporary monitoring well (two total samples). Groundwater samples were analyzed for VOCs and SVOCs. Soil vapor samples were collected over a 2-hour period into 2.7L stainless-steel summa canisters supplied by the laboratory and analyzed for VOCs. Sample locations are provided in Figure 1. All samples were collected into laboratory provided containers, placed on ice in coolers, and shipped by courier to Alpha Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

## RESULTS

Full analytical results for soil, groundwater, and soil vapor are provided in Tables 1-3, detections above regulatory criteria and/or guidance values are summarized in Figures 2-4, and laboratory analytical reports are provided in Attachment B.

### *Soil*

Soil analytical results were compared to NYSDEC Title 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted-Residential Use Soil Cleanup Objectives (RRSCOs).

Multiple SVOCs, specifically PAHs, were identified in shallow soil samples exceeding both UUSCOs and RRSCOs. Seven SVOCs including benzo(a)anthracene (maximum concentration 44 milligrams per kilogram [mg/kg] in SB2 [0-2']), benzo(a)pyrene (maximum concentration 33 mg/kg in SB2 [0-2']), benzo(b)fluoranthene (maximum concentration 46 mg/kg in SB2 [0-2']), benzo(k)fluoranthene (maximum concentration 14 mg/kg in SB2 [0-2']), chrysene (maximum concentration 42 mg/kg in SB2 [0-2']), dibenzo(a,h)anthracene (maximum concentration 5.3 mg/kg in SB2 [0-2']), and indeno(1,2,3-cd)pyrene (maximum concentration 22 mg/kg in SB2 [0-2']) were identified above RRSCOs in shallow soil sample SB2 from 0 to 2 ft bgs. Additionally, benzo(a)anthracene and indeno(1,2,3-cd)pyrene were detected in SB5 (11-13') at concentrations exceeding RRSCOs.

Acetone was detected in soil sample SB8 (5-7') at a concentration of 0.093 mg/kg, exceeding USSCOs, but below RRSCOs. No other VOCs exceeded UUSCOs. The chlorinated VOC (CVOC) tetrachloroethene (PCE) was detected in soil sample SB2 (0-2') at a concentration of 0.00072 mg/kg, below the UUSCO of 1.3 mg/kg.

Metals including arsenic (maximum concentration of 31.1 mg/kg in SB8 [5-7']), barium (maximum concentration of 785 mg/kg in SB2 [0-2']), lead (maximum concentration of 1,180 mg/kg in SB2 [0-2']), and mercury (maximum concentration of 2.53 mg/kg in SB2 [0-2']) were detected above RRSCOs, with cadmium (maximum concentration of 3.18 mg/kg in SB8 [5-7']), copper (maximum concentration of 110 mg/kg in SB8 [5-7']), nickel (maximum concentration of 67.1 mg/kg in SB8 [5-7']), and zinc (maximum concentration of 1,520 mg/kg in SB2 [0-2']) identified above the UUSCOs, but below RRSCOs.

Full soil analytical results are provided in Table 1 and laboratory reports are included in Attachment B.

### *Groundwater*

Groundwater analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water (herein referred to as NYSDEC SGVs).

Multiple SVOCs, specifically PAHs, were identified in both groundwater samples exceeding NYSDEC SGVs. Six SVOCs including benzo(a)anthracene (maximum concentration 1.4 micrograms per liter [ $\mu\text{g/L}$ ] in TW2), benzo(a)pyrene (maximum concentration 1.2  $\mu\text{g/L}$  in TW2), benzo(b)fluoranthene (maximum concentration 1.6  $\mu\text{g/L}$  in TW2), benzo(k)fluoranthene (maximum concentration 0.47  $\mu\text{g/L}$  in TW2), chrysene (maximum concentration 1.3  $\mu\text{g/L}$  in TW2), and indeno(1,2,3-cd)pyrene (maximum concentration of 0.99  $\mu\text{g/L}$  in TW2) were detected at concentrations in exceedance of the NYSDEC SGVs.

PCE was detected in both groundwater samples at a maximum concentration of 1.8  $\mu\text{g/L}$  in TW1, below the NYSDEC SGV of 5  $\mu\text{g/L}$ . Trichloroethene (TCE) was also detected in TW1 at a concentration of 0.44  $\mu\text{g/L}$ , below the NYSDEC SGV of 5  $\mu\text{g/L}$ , and was non-detect in TW2.

Full groundwater analytical results are provided in Table 2 and laboratory reports are included in Attachment B.

### *Soil Vapor*

Total VOC concentrations in soil vapor samples ranged from 1,441.09 micrograms per cubic meter ( $\mu\text{g/m}^3$ ) in sample SV1 to 4,159.35  $\mu\text{g/m}^3$  in SV2. Total BTEX concentrations ranged between 267.2  $\mu\text{g/m}^3$  in SV1 to 414.3  $\mu\text{g/m}^3$  in SV2.

Soil vapor analytical results were compared to the New York State Department of Health (NYSDOH) Air Guideline Values (AGV) specified in the NYSDOH guidance document. PCE was detected in soil vapor sample SV1 at a concentration of 30.1  $\mu\text{g/m}^3$ , above the AGV of 30  $\mu\text{g/m}^3$ . TCE was detected in soil vapor sample SV1 at a concentration of 60.7  $\mu\text{g/m}^3$ , above the AGV of 2  $\mu\text{g/m}^3$ . No other VOCs exceeded the NYSDOH AGVs.

The soil vapor sample results were also evaluated using the NYSDOH Decision Matrices A, B and C (updated May 2017) as referenced in the 2006 NYSDOH Soil Vapor Intrusion Guidance document. Indoor air was not sampled; therefore, the soil vapor concentrations were compared to the matrices to provide a range of recommended potential response measures. Of the compounds evaluated in the NYSDOH Decision Matrices, PCE was detected in soil vapor sample SV1 at a concentration of 30.1  $\mu\text{g/m}^3$  and TCE was detected in soil vapor sample SV1 at a concentration of 60.7  $\mu\text{g/m}^3$ . Based on the soil vapor concentrations of PCE and TCE in SV1, the NYSDOH Decision Matrix actions range from "no further action" to "identify source(s), resample or mitigate" depending on indoor air concentrations. In

addition, methylene chloride was detected at a concentration of 1.76  $\mu\text{g}/\text{m}^3$  in SV1 and cis-1,2-dichloroethene was detected in soil vapor sample SV1 at a concentration of 1.51  $\mu\text{g}/\text{m}^3$ . Based on the soil vapor concentrations, the NYSDOH Decision Matrix actions range from “no further action” to “identify source(s), resample or mitigate” depending on indoor air concentrations.

Full soil vapor analytical results are provided in Table 3 and the laboratory report in Attachment B.

## CONCLUSIONS AND RECOMMENDATIONS

Field observations and analytical results identified urban fill contaminated with heavy metals and SVOCs (specifically PAHs) at concentrations consistent with characteristics of urban fill found throughout the New York City area. SVOCs and total metals exceeding RRSCOs were observed widely distributed throughout the Site in urban fill, up to 13 feet bgs. Groundwater in the southern region of the site is impacted with SVOCs exceeding NYSDEC SGVs and CVOCs were also identified above method detection limits. Soil vapor is impacted with CVOCs, specifically PCE and TCE which were identified above the NYSDOH AGVs in one soil vapor sample in the southeast region of the site. Considering CVOCs were identified in site soil, groundwater and soil vapor samples, an on-site source may exist.

Should you have any questions regarding the findings or recommendations please do not hesitate to contact us.

Sincerely,  
Haley & Aldrich of New York

  
James M. Bellew  
Senior Associate

  
Emily L. Snead, PG  
Senior Project Manager

### Attachments:

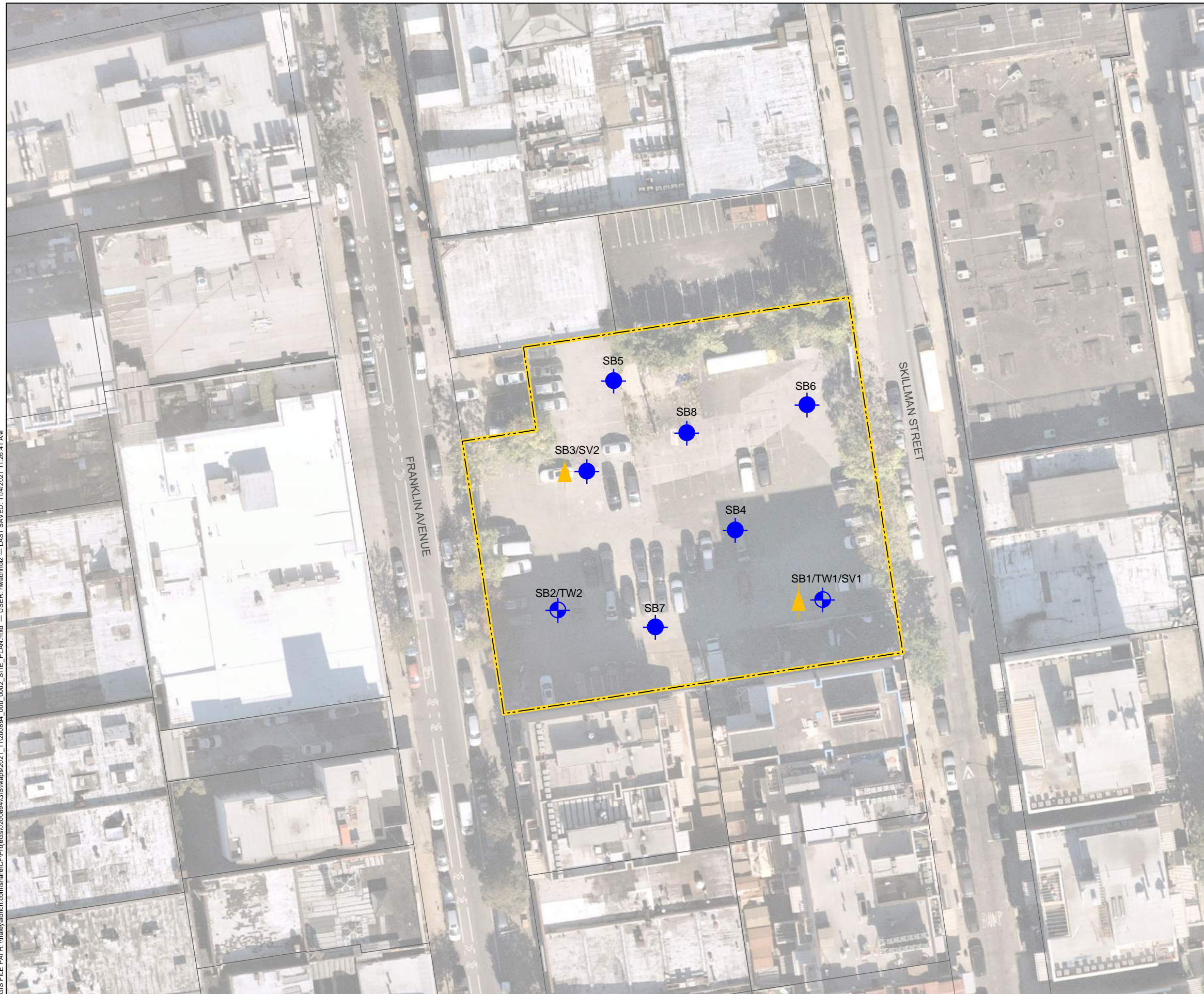
Figure 1-Sample Location Map  
Figure 2-Map of Soil Chemistry  
Figure 3-Map of Groundwater Chemistry  
Figure 4-Map of Soil Vapor Chemistry  
Table 1-Soil Analytical Results

Table 2-Groundwater Analytical Results  
Table 3-Soil Vapor Analytical Results  
Attachment A-Soil Boring Logs and Temporary  
Well Installation Logs  
Attachment B-Laboratory Reports






## FIGURES



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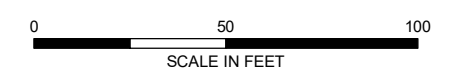


**LEGEND**

-  SITE BOUNDARY
-  PARCEL BOUNDARY
-  SOIL BORING
-  SOIL BORING/TEMPORARY GROUNDWATER MONITORING WELL
-  SOIL VAPOR POINT

**NOTES**

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021



**HALEY ALDRICH** 43 FRANKLIN AVENUE  
BROOKLYN, NEW YORK

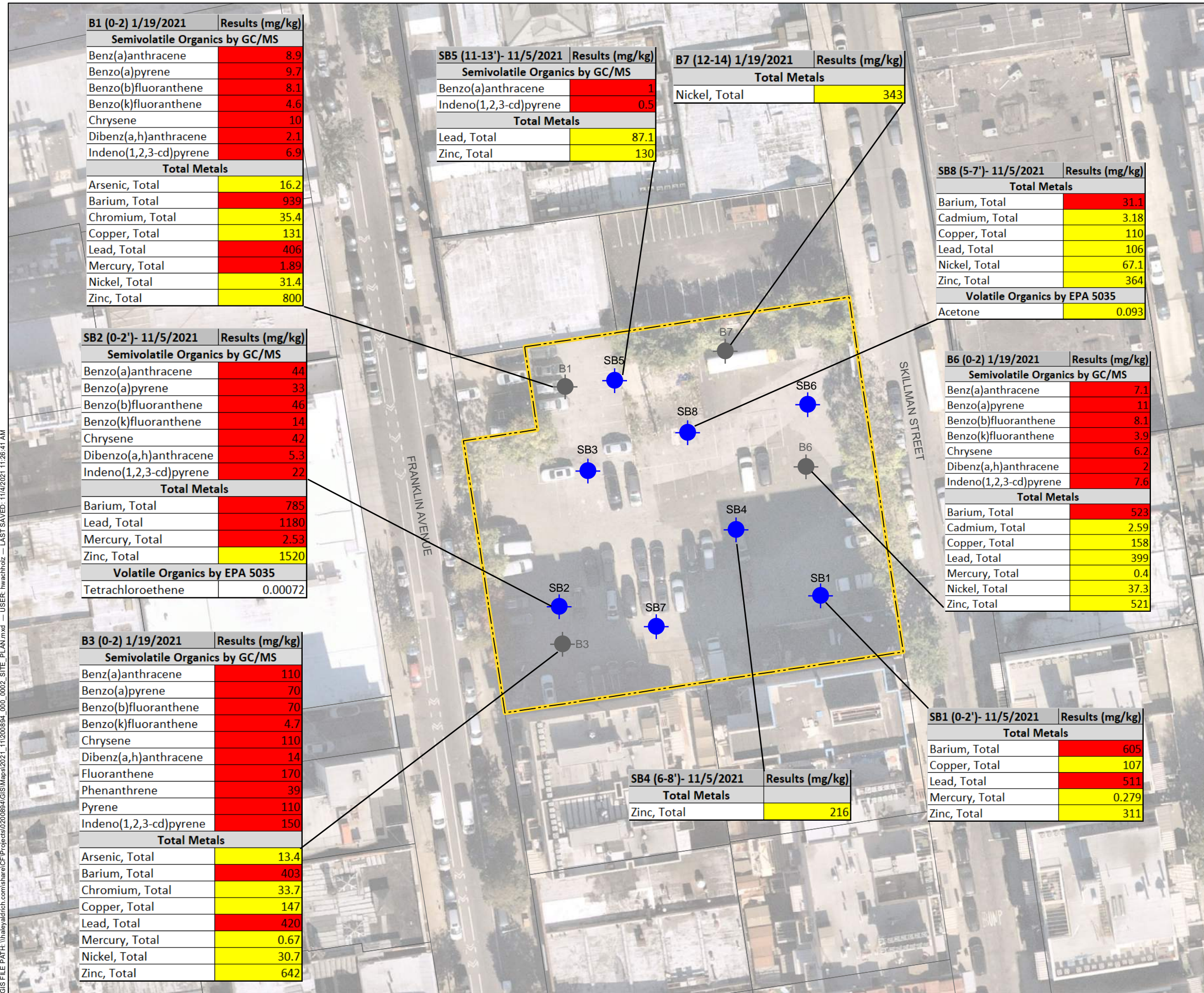
**SAMPLING LOCATION MAP**

NOVEMBER 2021

**FIGURE 1**



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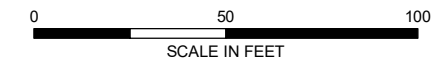
**LEGEND**

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL BORING
- JANUARY 2021 LIMITED PHASE II ESI SOIL BORING

	NY-RESRR	NY-UNRES	Units
<b>Semivolatile Organics by GC/MS</b>			
Benzo(a)anthracene	1	1	mg/kg
Benzo(a)pyrene	1	1	mg/kg
Benzo(b)fluoranthene	1	1	mg/kg
Benzo(k)fluoranthene	3.9	0.8	mg/kg
Chrysene	3.9	1	mg/kg
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg
Fluoranthene	100	100	mg/kg
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg
Phenanthrene	100	100	mg/kg
Pyrene	100	100	mg/kg
<b>Total Metals</b>			
Arsenic	16	13	mg/kg
Barium, Total	400	350	mg/kg
Cadmium, Total	4.3	2.5	mg/kg
Copper, Total	270	50	mg/kg
Lead, Total	400	63	mg/kg
Mercury, Total	0.81	0.18	mg/kg
Nickel, Total	310	30	mg/kg
Zinc, Total	10000	109	mg/kg
<b>Volatile Organics by EPA 5035</b>			
Acetone	100	0.05	mg/kg
Tetrachloroethene	19	1.3	mg/kg

**NOTES**

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2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021
4. CONCENTRATIONS SHOWN IN MILIGRAMS PER KILOGRAM (mg/kg).
5. SOIL ANALYTICAL RESULTS COMPARED TO NYSDEC PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (UUSCO) AND RESTRICTED-RESIDENTIAL SCOS (RRSCO). RESULTS ABOVE UUSCOs ARE SHADED YELLOW, RESULTS ABOVE RRSCOs ARE SHADED RED.
6. BORINGS B1, B3, B6, AND B7 REFERENCED FROM JANUARY 2021 LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION (EDI) PERFORMED BY EBC.



**HALEY ALDRICH** 43 FRANKLIN AVENUE  
BROOKLYN, NEW YORK

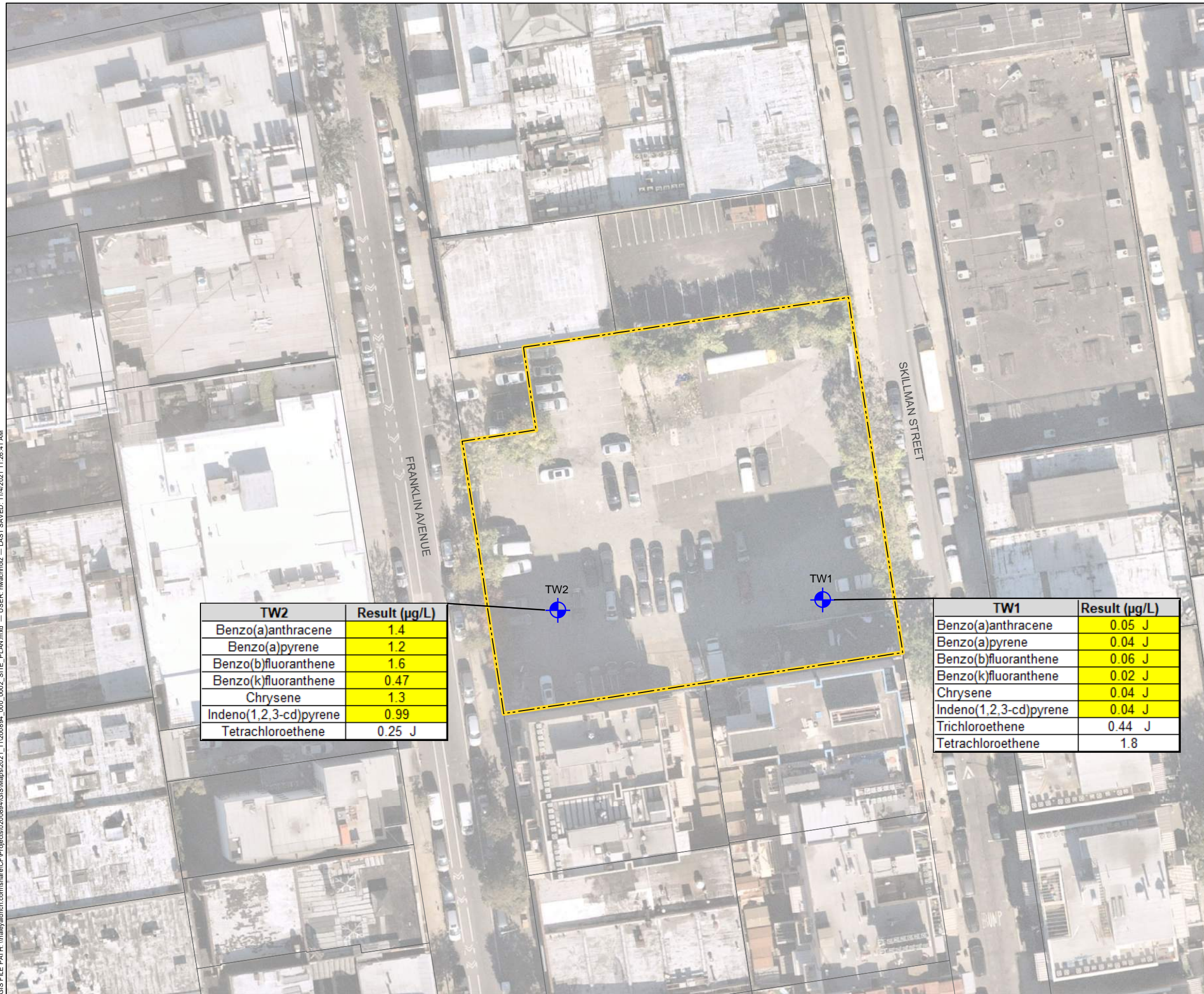
**MAP OF SOIL CHEMISTRY**

NOVEMBER 2021

**FIGURE 2**



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**LEGEND**

- SITE BOUNDARY
- PARCEL BOUNDARY
- ⊕ TEMPORARY GROUNDWATER MONITORING WELL

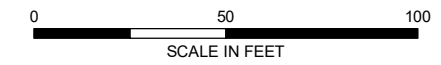
Ambient Water Quality (New York State Groundwater Effluent Limitations for Class GA Groundwater)		
Analytes	Value	Unit
Benzo(a)anthracene	0.002	µg/L
Benzo(a)pyrene	0	µg/L
Benzo(b)fluoranthene	0.002	µg/L
Benzo(k)fluoranthene	0.002	µg/L
Chrysene	0.002	µg/L
Indeno(1,2,3-cd)pyrene	0.002	µg/L
Trichloroethene	5	µg/L
Tetrachloroethene	5	µg/L

**NOTES**

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2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021
4. GROUNDWATER ANALYTICAL RESULTS COMPARED TO NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS A DRINKING WATER.
5. RESULTS SHOWN IN MICROGRAMS PER LITER (µg/L)
6. RESULTS IN EXCEEDANCE OF NYSDEC TOGS AWQS ARE HIGHLIGHTED

TW2	Result (µg/L)
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.2
Benzo(b)fluoranthene	1.6
Benzo(k)fluoranthene	0.47
Chrysene	1.3
Indeno(1,2,3-cd)pyrene	0.99
Tetrachloroethene	0.25 J

TW1	Result (µg/L)
Benzo(a)anthracene	0.05 J
Benzo(a)pyrene	0.04 J
Benzo(b)fluoranthene	0.06 J
Benzo(k)fluoranthene	0.02 J
Chrysene	0.04 J
Indeno(1,2,3-cd)pyrene	0.04 J
Trichloroethene	0.44 J
Tetrachloroethene	1.8



**HALEY ALDRICH** 43 FRANKLIN AVENUE  
BROOKLYN, NEW YORK

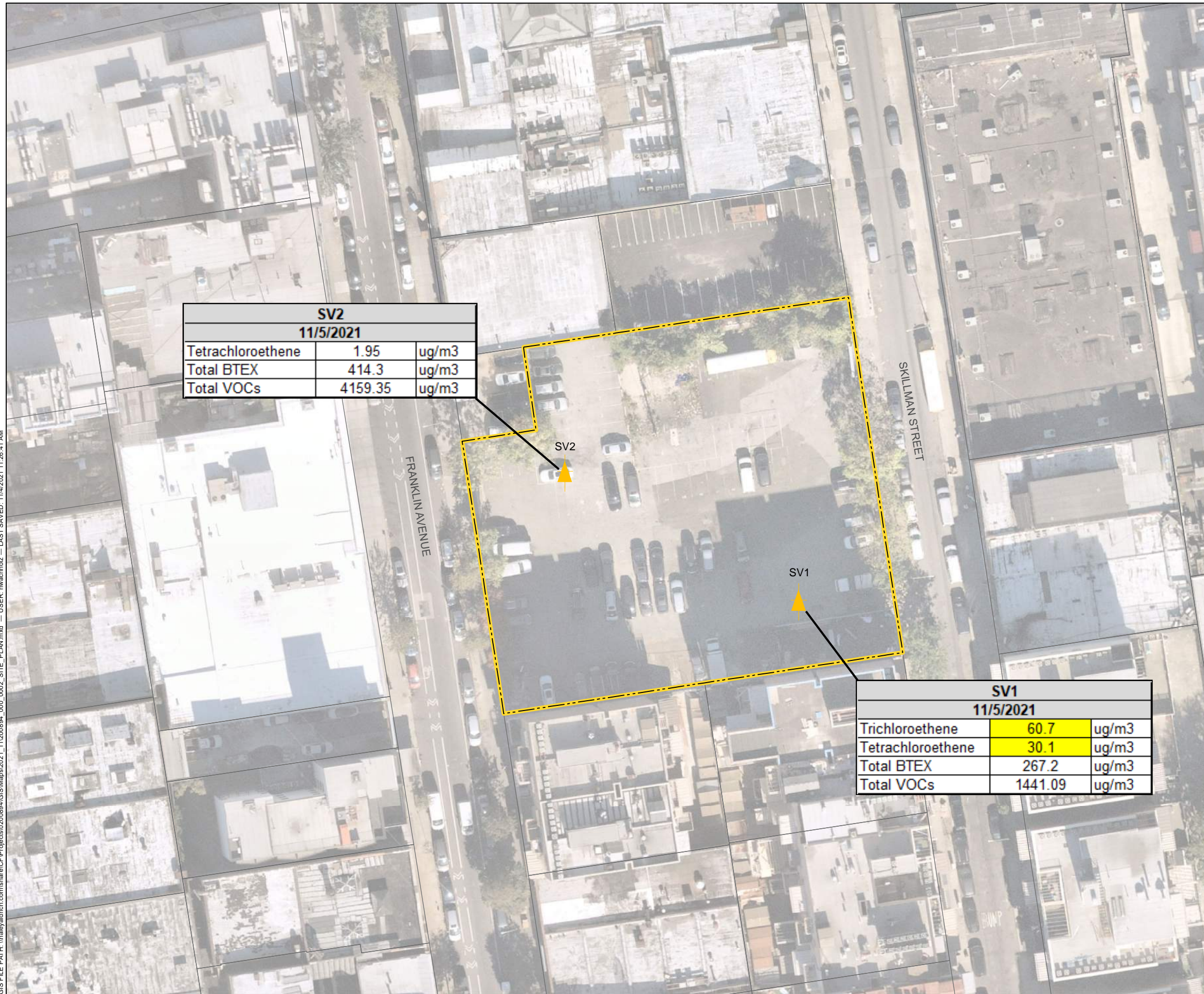
**MAP OF GROUNDWATER CHEMISTRY**

NOVEMBER 2021

**FIGURE 3**



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SV2		
11/5/2021		
Tetrachloroethene	1.95	ug/m3
Total BTEX	414.3	ug/m3
Total VOCs	4159.35	ug/m3

SV1		
11/5/2021		
Trichloroethene	60.7	ug/m3
Tetrachloroethene	30.1	ug/m3
Total BTEX	267.2	ug/m3
Total VOCs	1441.09	ug/m3

**LEGEND**

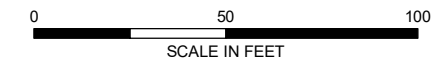
- SITE BOUNDARY
- PARCELBOUNDARY
- ▲ SOIL VAPOR POINT

NYSDOH AGVs for Soil Vapor		
Trichloroethene	2	ug/m3
Tetrachloroethene	30	ug/m3

NOTE: ANALYTES DETECTED ABOVE THE NYSDOH AGVs ARE HIGHLIGHTED IN YELLOW

**NOTES**

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021
4. SOIL VAPOR ANALYTICAL RESULTS WERE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDANCE VALUES (AGV) SPECIFIED IN THE NYSDOH GUIDANCE DOCUMENT (REVISED MAY 2017).
5. CONCENTRATIONS SHOWN IN MICROGRAMS PER CUBIC METER (ug/m3).
6. BTEX = BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES



**HALEY ALDRICH** 43 FRANKLIN AVENUE  
BROOKLYN, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

NOVEMBER 2021

FIGURE 4



## TABLES







Table 3. Groundwater Analytical Results  
43 Franklin Avenue, Brooklyn, NY

LOCATION		TW1		TW2		
SAMPLING DATE		11/5/2021		11/5/2021		
LAB SAMPLE ID		L2161092-01		L2161092-02		
SAMPLE TYPE		WATER		WATER		
	NY-AWQS	Units	Results	Qual	Results	Qual
<b>Semivolatile Organics by GC/MS</b>						
1,2,4-Trichlorobenzene	5	ug/l	5	U	5	U
Bis(2-chloroethyl)ether	1	ug/l	2	U	2	U
1,2-Dichlorobenzene	3	ug/l	2	U	2	U
1,3-Dichlorobenzene	3	ug/l	2	U	2	U
1,4-Dichlorobenzene	3	ug/l	2	U	2	U
3,3'-Dichlorobenzidine	5	ug/l	5	U	5	U
2,4-Dinitrotoluene	5	ug/l	5	U	5	U
2,6-Dinitrotoluene	5	ug/l	5	U	5	U
4-Chlorophenyl phenyl ether		ug/l	2	U	2	U
4-Bromophenyl phenyl ether		ug/l	2	U	2	U
Bis(2-chloroisopropyl)ether	5	ug/l	2	U	2	U
Bis(2-chloroethoxy)methane	5	ug/l	5	U	5	U
Hexachlorocyclopentadiene	5	ug/l	20	U	20	U
Isophorone	50	ug/l	5	U	5	U
Nitrobenzene	0.4	ug/l	2	U	2	U
NDPA/DPA	50	ug/l	2	U	2	U
n-Nitrosodi-n-propylamine		ug/l	5	U	5	U
Bis(2-ethylhexyl)phthalate	5	ug/l	3	U	3	U
Butyl benzyl phthalate	50	ug/l	5	U	5	U
Di-n-butylphthalate	50	ug/l	5	U	5	U
Di-n-octylphthalate	50	ug/l	5	U	5	U
Diethyl phthalate	50	ug/l	5	U	5	U
Dimethyl phthalate	50	ug/l	5	U	5	U
Biphenyl		ug/l	2	U	2	U
4-Chloroaniline	5	ug/l	5	U	5	U
2-Nitroaniline	5	ug/l	5	U	5	U
3-Nitroaniline	5	ug/l	5	U	5	U
4-Nitroaniline	5	ug/l	5	U	5	U
Dibenzofuran		ug/l	2	U	2	U
1,2,4,5-Tetrachlorobenzene	5	ug/l	10	U	10	U
Acetophenone		ug/l	5	U	5	U
2,4,6-Trichlorophenol		ug/l	5	U	5	U
p-Chloro-m-cresol		ug/l	2	U	2	U
2-Chlorophenol		ug/l	2	U	2	U
2,4-Dichlorophenol	1	ug/l	5	U	5	U
2,4-Dimethylphenol	50	ug/l	5	U	5	U
2-Nitrophenol		ug/l	10	U	10	U
4-Nitrophenol		ug/l	10	U	10	U
2,4-Dinitrophenol	10	ug/l	20	U	20	U
4,6-Dinitro-o-cresol		ug/l	10	U	10	U
Phenol	1	ug/l	5	U	5	U
2-Methylphenol		ug/l	5	U	5	U
3-Methylphenol/4-Methylphenol		ug/l	5	U	5	U
2,4,5-Trichlorophenol		ug/l	5	U	5	U
Benzoic Acid		ug/l	12	J	50	U
Benzyl Alcohol		ug/l	2	U	2	U
Carbazole		ug/l	2	U	0.63	J
Acenaphthene	20	ug/l	0.02	J	0.64	
2-Chloronaphthalene	10	ug/l	0.2	U	0.2	U
Fluoranthene	50	ug/l	0.08	J	3.4	
Hexachlorobutadiene	0.5	ug/l	0.5	U	0.5	U
Naphthalene	10	ug/l	0.08	J	1	
Benzo(a)anthracene	0.002	ug/l	0.05	J	1.4	
Benzo(a)pyrene	0	ug/l	0.04	J	1.2	
Benzo(b)fluoranthene	0.002	ug/l	0.06	J	1.6	
Benzo(k)fluoranthene	0.002	ug/l	0.02	J	0.47	
Chrysene	0.002	ug/l	0.04	J	1.3	
Acenaphthylene		ug/l	0.1	U	0.11	
Anthracene	50	ug/l	0.02	J	0.48	
Benzo(ghi)perylene		ug/l	0.03	J	0.79	
Fluorene	50	ug/l	0.02	J	0.42	
Phenanthrene	50	ug/l	0.06	J	3.1	
Dibenzo(a,h)anthracene		ug/l	0.1	U	0.19	
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.04	J	0.99	
Pyrene	50	ug/l	0.08	J	3.2	
2-Methylnaphthalene		ug/l	0.05	J	0.35	
Pentachlorophenol	1	ug/l	0.8	U	0.8	U
Hexachlorobenzene	0.04	ug/l	0.8	U	0.8	U
Hexachloroethane	5	ug/l	0.8	U	0.8	U



Table 3. Groundwater Analytical Results  
43 Franklin Avenue, Brooklyn, NY

LOCATION		TW1		TW2		
SAMPLING DATE		11/5/2021		11/5/2021		
LAB SAMPLE ID		L2161092-01		L2161092-02		
SAMPLE TYPE		WATER		WATER		
	NY-AWQS	Units	Results	Qual	Results	Qual
<b>Volatile Organic Compounds</b>						
Methylene chloride	5	ug/l	2.5	U	2.5	U
1,1-Dichloroethane	5	ug/l	2.5	U	2.5	U
Chloroform	7	ug/l	2.5	U	2.4	J
Carbon tetrachloride	5	ug/l	0.5	U	0.5	U
1,2-Dichloropropane	1	ug/l	1	U	1	U
Dibromochloromethane	50	ug/l	0.5	U	0.5	U
1,1,2-Trichloroethane	1	ug/l	1.5	U	1.5	U
Tetrachloroethene	5	ug/l	1.8		0.25	J
Chlorobenzene	5	ug/l	2.5	U	2.5	U
Trichlorofluoromethane	5	ug/l	2.5	U	2.5	U
1,2-Dichloroethane	0.6	ug/l	0.5	U	0.5	U
1,1,1-Trichloroethane	5	ug/l	2.5	U	2.5	U
Bromodichloromethane	50	ug/l	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.4	ug/l	0.5	U	0.5	U
1,3-Dichloropropene, Total		ug/l	0.5	U	0.5	U
1,1-Dichloropropene	5	ug/l	2.5	U	2.5	U
Bromoform	50	ug/l	2	U	2	U
1,1,1,2-Tetrachloroethane	5	ug/l	0.5	U	0.5	U
Benzene	1	ug/l	0.5	U	0.5	U
Toluene	5	ug/l	2.5	U	2.5	U
Ethylbenzene	5	ug/l	2.5	U	2.5	U
Chloromethane		ug/l	2.5	U	2.5	U
Bromomethane	5	ug/l	2.5	U	2.5	U
Vinyl chloride	2	ug/l	1	U	1	U
Chloroethane	5	ug/l	2.5	U	2.5	U
1,1-Dichloroethene	5	ug/l	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U
Trichloroethene	5	ug/l	0.44	J	0.5	U
1,2-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
1,3-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
1,4-Dichlorobenzene	3	ug/l	2.5	U	2.5	U
Methyl tert butyl ether	10	ug/l	2.5	U	2.5	U
p/m-Xylene	5	ug/l	2.5	U	2.5	U
o-Xylene	5	ug/l	2.5	U	2.5	U
Xylenes, Total		ug/l	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	ug/l	2.5	U	2.5	U
1,2-Dichloroethene, Total		ug/l	2.5	U	2.5	U
Dibromomethane	5	ug/l	5	U	5	U
1,2,3-Trichloropropane	0.04	ug/l	2.5	U	2.5	U
Acrylonitrile	5	ug/l	5	U	5	U
Styrene	5	ug/l	2.5	U	2.5	U
Dichlorodifluoromethane	5	ug/l	5	U	5	U
Acetone	50	ug/l	2.1	J	1.6	J
Carbon disulfide	60	ug/l	5	U	5	U
2-Butanone	50	ug/l	5	U	5	U
Vinyl acetate		ug/l	5	U	5	U
4-Methyl-2-pentanone		ug/l	5	U	5	U
2-Hexanone	50	ug/l	5	U	5	U
Bromochloromethane	5	ug/l	2.5	U	2.5	U
2,2-Dichloropropane	5	ug/l	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	ug/l	2	U	2	U
1,3-Dichloropropane	5	ug/l	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	5	ug/l	2.5	U	2.5	U
Bromobenzene	5	ug/l	2.5	U	2.5	U
n-Butylbenzene	5	ug/l	2.5	U	2.5	U
sec-Butylbenzene	5	ug/l	2.5	U	2.5	U
tert-Butylbenzene	5	ug/l	2.5	U	2.5	U
o-Chlorotoluene	5	ug/l	2.5	U	2.5	U
p-Chlorotoluene	5	ug/l	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	ug/l	2.5	U	2.5	U
Hexachlorobutadiene	0.5	ug/l	2.5	U	2.5	U
Isopropylbenzene	5	ug/l	2.5	U	2.5	U
p-Isopropyltoluene	5	ug/l	2.5	U	2.5	U
Naphthalene	10	ug/l	2.5	U	0.85	J
n-Propylbenzene	5	ug/l	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	ug/l	2.5	U	2.5	U
1,2,4-Trichlorobenzene	5	ug/l	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	ug/l	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	ug/l	2.5	U	2.5	U
1,4-Dioxane		ug/l	250	U	250	U
p-Diethylbenzene		ug/l	2	U	2	U
p-Ethyltoluene		ug/l	2	U	2	U
1,2,4,5-Tetramethylbenzene	5	ug/l	2	U	2	U
Ethyl ether		ug/l	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	5	ug/l	2.5	U	2.5	U

**Notes:**

Red shaded results exceed NY-AWQS

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

**Qualifiers:**

J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL); the value shown in the table is the RL.

**Table 3. Soil Vapor Analytical Results**  
43 Franklin Avenue, Brooklyn, NY

LOCATION					SV1		SV2		
SAMPLING DATE					11/5/2021		11/5/2021		
LAB SAMPLE ID					L2161067-01		L2161067-02		
SAMPLE TYPE					SOIL VAPOR		SOIL VAPOR		
	NYSDOH AGVs	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	Results	Qual	Results	Qual
<b>Volatile Organic Compounds</b>									
Dichlorodifluoromethane					ug/m3	3.05		2.27	
Chloromethane					ug/m3	1.15		3.88	
Freon-114					ug/m3	1.4	U	1.4	U
Vinyl chloride				6	ug/m3	0.511	U	0.511	U
1,3-Butadiene					ug/m3	30.8		43.1	
Bromomethane					ug/m3	0.777	U	0.975	
Chloroethane					ug/m3	2.69		0.528	U
Ethanol					ug/m3	25.8		38.3	
Vinyl bromide					ug/m3	0.874	U	0.874	U
Acetone					ug/m3	746		3370	
Trichlorofluoromethane					ug/m3	1.71		1.44	
Isopropanol					ug/m3	6.02		8.85	
1,1-Dichloroethene		6			ug/m3	0.793	U	0.793	U
Tertiary butyl Alcohol					ug/m3	1.52	U	1.52	U
Methylene chloride	60		100		ug/m3	1.76		1.74	U
3-Chloropropene					ug/m3	0.626	U	0.626	U
Carbon disulfide					ug/m3	43.9		7.47	
Freon-113					ug/m3	1.53	U	1.53	U
trans-1,2-Dichloroethene					ug/m3	0.848		0.793	U
1,1-Dichloroethane					ug/m3	0.809	U	0.809	U
Methyl tert butyl ether					ug/m3	0.721	U	0.721	U
2-Butanone					ug/m3	71.4		78.7	
cis-1,2-Dichloroethene		6			ug/m3	1.51		0.793	U
Ethyl Acetate					ug/m3	2.04		12.8	
Chloroform					ug/m3	0.977	U	0.977	U
Tetrahydrofuran					ug/m3	6.28		15	
1,2-Dichloroethane					ug/m3	0.809	U	0.809	U
n-Hexane					ug/m3	45.5		67.7	
1,1,1-Trichloroethane			100		ug/m3	1.09	U	1.09	U
Benzene					ug/m3	15.2		15.8	
Carbon tetrachloride		6			ug/m3	1.26	U	1.26	U
Cyclohexane					ug/m3	6.61		5.85	
1,2-Dichloropropane					ug/m3	0.924	U	0.924	U
Bromodichloromethane					ug/m3	1.34	U	1.34	U
1,4-Dioxane					ug/m3	0.721	U	0.721	U
Trichloroethene	2	6			ug/m3	60.7		1.07	U
2,2,4-Trimethylpentane					ug/m3	17.3		19.9	
Heptane					ug/m3	22.6		25	
cis-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U
4-Methyl-2-pentanone					ug/m3	31.1		10.3	
trans-1,3-Dichloropropene					ug/m3	0.908	U	0.908	U
1,1,2-Trichloroethane					ug/m3	1.09	U	1.09	U
Toluene					ug/m3	145		234	
2-Hexanone					ug/m3	1.84		10.8	
Dibromochloromethane					ug/m3	1.7	U	1.7	U
1,2-Dibromoethane					ug/m3	1.54	U	1.54	U
Tetrachloroethene	30		100		ug/m3	30.1		1.95	
Chlorobenzene					ug/m3	0.921	U	0.921	U
Ethylbenzene					ug/m3	20.5		30.7	
p/m-Xylene					ug/m3	69.5		108	
Bromoform					ug/m3	2.07	U	2.07	U
Styrene					ug/m3	1.88		2.98	
1,1,2,2-Tetrachloroethane					ug/m3	1.37	U	1.37	U
o-Xylene					ug/m3	17		25.8	
4-Ethyltoluene					ug/m3	2.53		3.58	
1,3,5-Trimethylbenzene					ug/m3	1.89		3.1	
1,2,4-Trimethylbenzene					ug/m3	6.88		11.1	
Benzyl chloride					ug/m3	1.04	U	1.04	U
1,3-Dichlorobenzene					ug/m3	1.2	U	1.2	U
1,4-Dichlorobenzene					ug/m3	1.2	U	1.2	U
1,2-Dichlorobenzene					ug/m3	1.2	U	1.2	U
1,2,4-Trichlorobenzene					ug/m3	1.48	U	1.48	U
Hexachlorobutadiene					ug/m3	2.13	U	2.13	U

**Notes:**

Yellow shaded results exceed one of the Matrices

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.  
 NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.  
 NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.  
 New York DOH Air Guidance Values Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017

**Qualifiers:**

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL); the value shown in the table is the RL.  
 E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

**ATTACHMENT A**

**SOIL BORING LOGS**  
**AND**  
**TEMPORARY MONITORING WELL INSTALLATION LOGS**





# GEOPROBE BORING REPORT

BORING NO.

SB1

Page 1 of 1

PROJECT	Limited Phase II ESI- 43 Franklin Ave	PROJECT MGR.	E.Snead
LOCATION	43 Franklin Avenue, Brooklyn, NY	FIELD REP.	Z.Simmel
CLIENT	Riverside Developers USA, Inc.	DATE STARTED	11/5/2021
CONTRACTOR	AARCO Environmental Services	DATE FINISHED	11/5/2021
DRILLER	S.Magana		

Elevation	ft.	Datum	Boring Location	See Plan
Item	Casing	Sampler	Core Barrel	Rig Make & Model
Type	Steel	Macrocore		Geoprobe 7820 DT
Inside Diameter (in.)	2-in			<input type="checkbox"/> Truck <input type="checkbox"/> Tripod <input type="checkbox"/> Cat-Head <input type="checkbox"/> ATV <input checked="" type="checkbox"/> Geoprobe <input type="checkbox"/> Winch <input checked="" type="checkbox"/> Track <input type="checkbox"/> Air Track <input type="checkbox"/> Roller Bit <input type="checkbox"/> Skid <input type="checkbox"/> Other <input type="checkbox"/> Cutting Head
Hammer Weight (lb.)	Macrocore			<input type="checkbox"/> Safety <input type="checkbox"/> Bentonite <input type="checkbox"/> Doughnut <input type="checkbox"/> Polymer <input type="checkbox"/> Automatic <input checked="" type="checkbox"/> None
Hammer Fall (in.)	NA			Drilling Notes:

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description <small>(density/consistency, color, GROUP NAME &amp; SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)</small>
0		0.0			3" Asphalt
		0.0	SB1 (0-2')		Brown to dark brown medium to coarse silty SAND, some coarse gravel asphalt, and brick pieces
		0.0			<b>FILL</b>
	28	0.0			
		0.0			
4		0.0			Brown fine to medium silty SAND, trace clay, stiff, no odor, dry
		0.0			
5		0.0			SAA, more clay and fine SAND, some root pieces
		0.0			
	36	0.0			
		0.0			
		0.0			
10		0.0			Brown to light brown fine silty SAND, some medium sand, no odor, dry
		0.0			
	48	0.0			
		0.0			
		0.0			Wet @ 14'
15		0.0			Brown to light brown fine silty SAND, some medium sand, no odor, very wet 15-16'
		0.0			
	60	0.0			
18		0.0			Brown sandy lean clay, stiff, no odor, wet
		0.0			
19		0.0			Brown to light brown fine silty SAND, no odor, wet, some clay
		0.0			
20		0.0			BOTTOM OF EXPLORATION AT 20 FT

Water Level Data						Sample ID	Summary
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.) _____ 20 Rock Cored (Linear ft.) _____ - Number of Samples _____ 1
			Bottom of Casing	Bottom of Hole	Water		
Date							

BORING NO. SB1

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# GEOPROBE BORING REPORT

**BORING NO.**  
**SB2**

**Page 1 of 1**

<b>PROJECT</b>	Limited Phase II ESI- 43 Franklin Ave	<b>PROJECT MGR.</b>	E.Snead
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>FIELD REP.</b>	Z.Simmel
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>DATE STARTED</b>	11/5/2021
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE FINISHED</b>	11/5/2021
<b>DRILLER</b>	S.Magana		

<b>Elevation</b>	ft.	<b>Datum</b>		<b>Boring Location</b>	See Plan
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Core Barrel</b>	<b>Rig Make &amp; Model</b>	Geoprobe 7820 DT
<b>Type</b>	Steel	Macrocore		<input type="checkbox"/> Truck <input type="checkbox"/> Tripod <input type="checkbox"/> ATV <input checked="" type="checkbox"/> Geoprobe <input checked="" type="checkbox"/> Track <input type="checkbox"/> Air Track <input type="checkbox"/> Skid <input type="checkbox"/> Other	<input type="checkbox"/> Cat-Head <input type="checkbox"/> Winch <input type="checkbox"/> Roller Bit <input type="checkbox"/> Cutting Head
<b>Inside Diameter (in.)</b>	2-in				<input type="checkbox"/> Safety <input type="checkbox"/> Bentonite <input type="checkbox"/> Doughnut <input type="checkbox"/> Polymer <input type="checkbox"/> Automatic <input type="checkbox"/> None
<b>Hammer Weight (lb.)</b>	Macrocore				<b>Drilling Notes:</b>
<b>Hammer Fall (in.)</b>	NA				

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description <small>(density/consistency, color, GROUP NAME &amp; SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)</small>
0		0.0			
		0.0	SB2 (0-2')		
		0.0			
	24	0.0			Brown to dark brown to tan, medium to coarse silty SAND, some gravel, a lot of brick pieces, no odor
		0.0			<b>FILL</b>
		0.0			
		0.0			
5		0.0			Orange brown silty SAND, some gravel, no odor, dry
		0.0			<b>FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
10		0.0			Brown to orange brown medium silty SAND, heavy fill material, no odor, dry
		0.0			<b>FILL EXTENDS TO 12'</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
15		0.0			Brown to tan medium to coarse silty SAND, brick pieces from 15-16', no odor
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
19		0.0			Brown medium silty SAND, dry, no odor, more native appearing
		0.0			
		0.0			SAA, very wet
21		0.0			Brown sandy lean CLAY, medium to high plasticity, no odor
		0.0			
		0.0			
22		0.0			Brown fine to medium clayey SAND, no odor, wet
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
25		0.0			BOTTOM OF EXPLORATION AT 25 FT

Water Level Data						Sample ID		Summary		
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O	T	U	S	G
			Bottom of Casing	Bottom of Hole	Water					

**\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**  
**NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.**



# GEOPROBE BORING REPORT

**BORING NO.****SB3**Page **1** of **1**

<b>PROJECT</b>	Limited Phase II ESI- 43 Franklin Ave	<b>PROJECT MGR.</b>	E.Snead
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>FIELD REP.</b>	Z.Simmel
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>DATE STARTED</b>	11/5/2021
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE FINISHED</b>	11/5/2021
<b>DRILLER</b>	S.Magana		

<b>Elevation</b>	ft.	<b>Datum</b>		<b>Boring Location</b>	See Plan
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Core Barrel</b>	<b>Rig Make &amp; Model</b>	Geoprobe 7820 DT
<b>Type</b>	Steel	Macrocore		<input type="checkbox"/> Truck <input type="checkbox"/> Tripod	<input type="checkbox"/> Cat-Head
<b>Inside Diameter (in.)</b>	2-in			<input type="checkbox"/> ATV <input checked="" type="checkbox"/> Geoprobe	<input type="checkbox"/> Winch
<b>Hammer Weight (lb.)</b>	Macrocore			<input checked="" type="checkbox"/> Track <input type="checkbox"/> Air Track	<input type="checkbox"/> Roller Bit
<b>Hammer Fall (in.)</b>	NA			<input type="checkbox"/> Skid <input type="checkbox"/> Other	<input type="checkbox"/> Cutting Head
					<b>Hammer Type</b>
					<input type="checkbox"/> Safety
					<input type="checkbox"/> Doughnut
					<input type="checkbox"/> Automatic
					<b>Drilling Mud</b>
					<input type="checkbox"/> Bentonite
					<input type="checkbox"/> Polymer
					<input type="checkbox"/> None
					<b>Casing Advance</b>
					<b>Type Method Depth</b>
					Direct Push
					<b>Drilling Notes:</b>

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description <small>(density/consistency, color, GROUP NAME &amp; SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)</small>
0		0.0			2-3" Asphalt
		0.0			Dark brown to dark gray medium to coarse silty SAND, some fine gravel, brick and concrete pieces, dry, no odor
		0.0			<b>FILL</b>
	24	0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0			Dark brown to brown fine silty SAND, some clay, no odor, dry, low plasticity
		0.0			<b>FILL</b>
		0.0			
7		0.0	SB3 (6-8')		Brown fine to medium silty SAND, trace fine gravel, dry, no odor, dry
	42	0.0			<b>FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
10		0.0			Brown to light brown fine to coarse silty SAND, some fine gravel, brick pieces, no odor, dry
		0.0			<b>FILL</b>
		0.0			
	50	0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
15		0.0			Brown to light brown fine to coarse silty SAND, some fine gravel, no odor, dry
		0.0			
		0.0			
	60	0.0			
		0.0			
		0.0			
		0.0			
		0.0			
18		0.0			Brown to light brown medium clayey SAND, some cobbles mps 1.25", no odor, dry
		0.0			
		0.0			
20		0.0			Brown to light brown fine to medium silty SAND, no odor, wet
25					BOTTOM OF EXPLORATION AT 25 FT

Water Level Data			Sample ID			Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			<b>O</b> Open End Rod <b>T</b> Thin Wall Tube <b>U</b> Undisturbed Sample <b>S</b> Split Spoon Sample <b>G</b> Geoprobe	Overburden (Linear ft.)
			Bottom of Casing	Bottom of Hole	Water		_____ 25
							Rock Cored (Linear ft.)
							_____ -
							Number of Samples
							_____ 1
							<b>BORING NO.</b>
							<b>SB3</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.  
 NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.







# GEOPROBE BORING REPORT

BORING NO.

**SB5**Page **1** of **1**

PROJECT Limited Phase II ESI- 43 Franklin Ave  
 LOCATION 43 Franklin Avenue, Brooklyn, NY  
 CLIENT Riverside Developers USA, Inc.  
 CONTRACTOR AARCO Environmental Services  
 DRILLER S.Magana

PROJECT MGR. E.Snead  
 FIELD REP. Z.Simmel  
 DATE STARTED 11/5/2021  
 DATE FINISHED 11/5/2021

Elevation	ft.	Datum	Boring Location	See Plan
Item	Casing	Sampler	Core Barrel	Rig Make & Model
Type	Steel	Macrocore		Geoprobe 7820 DT
Inside Diameter (in.)	2-in			<input type="checkbox"/> Truck <input type="checkbox"/> Tripod <input type="checkbox"/> Cat-Head
Hammer Weight (lb.)	Macrocore			<input type="checkbox"/> ATV <input checked="" type="checkbox"/> Geoprobe <input type="checkbox"/> Winch
Hammer Fall (in.)	NA			<input checked="" type="checkbox"/> Track <input type="checkbox"/> Air Track <input type="checkbox"/> Roller Bit
				<input type="checkbox"/> Skid <input type="checkbox"/> Other <input type="checkbox"/> Cutting Head
				Drilling Notes:

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description <small>(density/consistency, color, GROUP NAME &amp; SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)</small>
0		0.0			Dark brown coarse silty SAND, brick pieces, no odor, dry
		0.0			<b>FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0			All brick pieces, no odor, dry, poor recovery
		0.0			<b>FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
10		0.0			
		0.0			
		0.0			
		0.0	SB5 (11-13')		
		0.0			
		0.0			
13		0.0			Light brown to orange brown medium to coarse silty SAND, some fine gravel, no odor, moist at 15'
		0.0			
		0.0			
		0.0			
15		0.0			Brown fine to medium silty SAND, some coarse sand and fine gravel, no odor, wet
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
20		0.0			
					BOTTOM OF EXPLORATION AT 20 FT

Water Level Data						Sample ID		Summary		
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O	T	U	S	G
			Bottom of Casing	Bottom of Hole	Water					
Date										

Overburden (Linear ft.) 20  
 Rock Cored (Linear ft.) -  
 Number of Samples 1  
 BORING NO. **SB5**

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.  
 NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# GEOPROBE BORING REPORT

**BORING NO.**

**SB6**

Page **1** of **1**

<b>PROJECT</b>	Limited Phase II ESI- 43 Franklin Ave	<b>PROJECT MGR.</b>	E.Snead
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>FIELD REP.</b>	Z.Simmel
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>DATE STARTED</b>	11/5/2021
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE FINISHED</b>	11/5/2021
<b>DRILLER</b>	S.Magana		

<b>Elevation</b>	ft. Datum	<b>Boring Location</b>	See Plan	<b>Rig Make &amp; Model</b>	Geoprobe 7820 DT	<b>Hammer Type</b>	<b>Drilling Mud</b>	<b>Casing Advance</b>
<b>Type</b>	Steel	<b>Sampler</b>	Macrocore	<input type="checkbox"/> Truck	<input type="checkbox"/> Tripod	<input type="checkbox"/> Cat-Head	<input type="checkbox"/> Bentonite	<b>Type Method Depth</b>
<b>Inside Diameter (in.)</b>	2-in			<input type="checkbox"/> ATV	<input checked="" type="checkbox"/> Geoprobe	<input type="checkbox"/> Winch	<input type="checkbox"/> Polymer	Direct Push
<b>Hammer Weight (lb.)</b>	Macrocore			<input checked="" type="checkbox"/> Track	<input type="checkbox"/> Air Track	<input type="checkbox"/> Roller Bit	<input type="checkbox"/> None	
<b>Hammer Fall (in.)</b>	NA			<input type="checkbox"/> Skid	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Cutting Head	<b>Drilling Notes:</b>	

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description <small>(density/consistency, color, GROUP NAME &amp; SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)</small>
0		0.0			3" asphalt
		0.0			Brown to dark brown fine to coarse silty SAND, some coarse gravel mps 0.75", brick pieces, trace concrete pieces, no odor, dry
		0.0			<b>FILL</b>
	36	0.0			
		0.0	SB6 (3-5')		
		0.0			
5		0.0			Dark brown fine silty SAND, no odor, dry
6		0.0			Brown to dark brown fine clayey SAND, no odor, dry
		0.0			<b>FILL</b>
	50	0.0			
		0.0			
		0.0			
10		0.0			Brown to dark brown fine clayey SAND, no odor, dry
		0.0			<b>FILL</b>
	48	0.0			
13		0.0			Brown to light brown medium to coarse SAND, some fine gravel, brick pieces, no odor, dry
		0.0			
		0.0			
15		0.0			Brown to light brown medium to coarse SAND, some fine gravel, no odor, dry
		0.0			
	48	0.0			
		0.0			
19		0.0			Brown sandy lean CLAY, some red brick
		0.0			
20		0.0			Brown to light brown fine to medium silty SAND, some coarse gravel, no odor, wet
		0.0			
	48	0.0			
		0.0			
		0.0			
25		0.0			BOTTOM OF EXPLORATION AT 25 FT

Water Level Data						Sample ID	Summary
Date	Time	Elapsed Time (hr.)	Depth in feet to:			<b>O</b> Open End Rod <b>T</b> Thin Wall Tube <b>U</b> Undisturbed Sample <b>S</b> Split Spoon Sample <b>G</b> Geoprobe	Overburden (Linear ft.)
			Bottom of Casing	Bottom of Hole	Water		25'
							Rock Cored (Linear ft.)
							-
							Number of Samples
							1
<b>BORING NO.</b>							<b>SB6</b>

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.





# GEOPROBE BORING REPORT

BORING NO.

**SB8**

Page **1** of **1**

<b>PROJECT</b>	Limited Phase II ESI - 43 Franklin Ave	<b>PROJECT MGR.</b>	E.Snead
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>FIELD REP.</b>	Z.Simmel
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>DATE STARTED</b>	11/5/2021
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE FINISHED</b>	11/5/2021
<b>DRILLER</b>	S.Magana		

Elevation	ft.	Datum		Boring Location	See Plan				
<b>Item</b>	<b>Casing</b>	<b>Sampler</b>	<b>Core Barrel</b>	<b>Rig Make &amp; Model</b>	Geoprobe 7820 DT	<b>Hammer Type</b>	<b>Drilling Mud</b>	<b>Casing Advance</b>	
Type	Steel	Macrocore		<input type="checkbox"/> Truck <input type="checkbox"/> Tripod <input type="checkbox"/> Cat-Head <input type="checkbox"/> ATV <input checked="" type="checkbox"/> Geoprobe <input type="checkbox"/> Winch <input checked="" type="checkbox"/> Track <input type="checkbox"/> Air Track <input type="checkbox"/> Roller Bit <input type="checkbox"/> Skid <input type="checkbox"/> Other <input type="checkbox"/> Cutting Head	<input type="checkbox"/> Safety <input type="checkbox"/> Doughnut <input type="checkbox"/> Automatic	<input type="checkbox"/> Bentonite <input type="checkbox"/> Polymer <input type="checkbox"/> None	<input type="checkbox"/> Direct Push <input type="checkbox"/> Method Depth		
Inside Diameter (in.)	2-in								
Hammer Weight (lb.)	Macrocore								
Hammer Fall (in.)	NA								

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description
					(density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			Dark gray to dark brown medium to coarse silty SAND, asphalt and brick pieces, some glass pieces, no odor, dry <b style="text-align: center;">FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
	13	0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0	SB8 (5-7')		SAA <b style="text-align: center;">FILL</b>
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
8		0.0			Gray sandy lean CLAY, no odor, dry, medium plasticity
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
10		0.0			Gray to dark gray fine clayey SAND, no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
14		0.0			Orange brown medium silty SAND with gravel, no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
15		0.0			Brown to orange brown medium to coarse SAND, no odor, wet
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
20		0.0	SB8 (18-20')		BOTTOM OF EXPLORATION AT 20 FT
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			

Water Level Data						Sample ID		Summary					
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O	T	U	S	G	Overburden (Linear ft.)	Rock Cored (Linear ft.)	Number of Samples
			Bottom of Casing	Bottom of Hole	Water								

\*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.  
 NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.



# OBSERVATION WELL INSTALLATION REPORT

Well No.  
**TW1**  
Boring No.  
**SB1**

<b>PROJECT</b>	Limited Phase II ESI - 43 Franklin Ave	<b>H&amp;A FILE NO.</b>	0200894
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>PROJECT MGR.</b>	E. Snead
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>FIELD REP.</b>	Z. Simmel
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE INSTALLED</b>	11/5/2021
<b>DRILLER</b>	S. Magana	<b>WATER LEVEL</b>	14.25'

Ground El. _____ ft	Location See Plan _____	<input type="checkbox"/> Guard Pipe	
El. Datum _____		<input type="checkbox"/> Roadway Box	

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex. Padlock key no. _____		
		Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
		Height/Depth of top of riser pipe above/below ground surface	N/A	ft
		Type of protective casing:	N/A	
		Length	N/A	ft
		Inside Diameter	N/A	in
		Depth of bottom of guard pipe/roadway box	N/A	ft
		<b>Type of Seals</b>	<b>Top of Seal (ft)</b>	<b>Thickness (ft)</b>
		Soil Cuttings	0.0	13.0
		Bentonite Seal	13.0	1.0
		#2 Filter Sand	14.0	12.0
		Type of riser pipe:	Solid PVC	
		Inside diameter of riser pipe	1.0	in
		Type of backfill around riser	Soil Cuttings	
		Diameter of borehole	2.0	in
		Depth to top of well screen	16.0	ft
		Type of screen	Machine Slotted PVC	
		Screen gauge or size of openings	0.020	in
		Diameter of screen	1.0	in
		Type of backfill around screen	#2 Filter Sand	
		Depth of bottom of well screen	26.0	ft
		Bottom of Silt trap	0.0	ft
		Depth of bottom of borehole	26.0	ft

(Bottom of Exploration)  
(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{r}
 \underline{16} \quad \text{ft} \quad + \quad \underline{10} \quad \text{ft} \quad + \quad \underline{0} \quad \text{ft} \quad = \quad \underline{26} \quad \text{ft} \\
 \text{Riser Pay Length (L1)} \quad \quad \quad \text{Length of screen (L2)} \quad \quad \quad \text{Length of silt trap (L3)} \quad \quad \quad \text{Pay length}
 \end{array}$$

**COMMENTS:** \_\_\_\_\_

# OBSERVATION WELL INSTALLATION REPORT

Well No.  
**TW2**

Boring No.  
**SB2**

<b>PROJECT</b>	Limited Phase II ESI - 43 Franklin Avenue	<b>H&amp;A FILE NO.</b>	0200894
<b>LOCATION</b>	43 Franklin Avenue, Brooklyn, NY	<b>PROJECT MGR.</b>	E. Snead
<b>CLIENT</b>	Riverside Developers USA, Inc.	<b>FIELD REP.</b>	Z. Simmel
<b>CONTRACTOR</b>	AARCO Environmental Services	<b>DATE INSTALLED</b>	11/5/2021
<b>DRILLER</b>	S.Magana	<b>WATER LEVEL</b>	16.91'

Ground El. _____ ft	Location See Plan _____	<input type="checkbox"/> Guard Pipe	
El. Datum _____		<input type="checkbox"/> Roadway Box	

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock (circle one): Pent.bolt 9/16" hex. 1/2" hex. 7/10" hex. Padlock key no. _____																	
			Height/Depth of top of guard pipe/roadway box above/below ground surface _____ 0.0 ft																
			Height/Depth of top of riser pipe above/below ground surface _____ N/A ft																
		Type of protective casing: _____ N/A																	
		Length _____ N/A ft																	
		Inside Diameter _____ N/A in																	
		Depth of bottom of guard pipe/roadway box _____ N/A ft																	
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td>Soil Cuttings</td> <td>0.5</td> <td>1.5</td> </tr> <tr> <td>Bentonite Seal</td> <td>2.0</td> <td>1.0</td> </tr> <tr> <td>#2 Filter Sand</td> <td>3.0</td> <td>12.0</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Type of Seals	Top of Seal (ft)	Thickness (ft)	Soil Cuttings	0.5	1.5	Bentonite Seal	2.0	1.0	#2 Filter Sand	3.0	12.0				
Type of Seals	Top of Seal (ft)	Thickness (ft)																	
Soil Cuttings	0.5	1.5																	
Bentonite Seal	2.0	1.0																	
#2 Filter Sand	3.0	12.0																	
		Type of riser pipe: _____ Solid PVC																	
		Inside diameter of riser pipe _____ 2.0 in																	
		Type of backfill around riser _____ Soil Cuttings																	
		Diameter of borehole _____ 6.0 in																	
		Depth to top of well screen _____ 5.0 ft																	
		Type of screen _____ Machine Slotted PVC																	
		Screen gauge or size of openings _____ 0.020 in																	
		Diameter of screen _____ 2.0 in																	
		Type of backfill around screen _____ #2 Filter Sand																	
		Depth of bottom of well screen _____ 15.0 ft																	
		Bottom of Silt trap _____ 0.0 ft																	
		Depth of bottom of borehole _____ 15.0 ft																	

(Bottom of Exploration)  
(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{ccccccc}
 5 & \text{ft} & + & 10 & \text{ft} & + & 0 & \text{ft} & = & 15 & \text{ft} \\
 \text{Riser Pay Length (L1)} & & & \text{Length of screen (L2)} & & & \text{Length of silt trap (L3)} & & & \text{Pay length} & 
 \end{array}$$

**COMMENTS:** \_\_\_\_\_



**ATTACHMENT B**  
**LABORATORY REPORTS**



## ANALYTICAL REPORT

Lab Number:	L2161067
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Emily Snead
Phone:	(646) 277-5685
Project Name:	43 FRANKLIN AVE
Project Number:	0200894
Report Date:	11/15/21

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

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-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).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2161067-01	SV1	SOIL_VAPOR	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 10:50	11/05/21
L2161067-02	SV2	SOIL_VAPOR	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 14:11	11/05/21



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

### Case Narrative

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

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

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

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

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

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

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**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

### Case Narrative (continued)

#### Volatile Organics in Air

Canisters were released from the laboratory on November 5, 2021. The canister certification results are provided as an addendum.

L2161067-02: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2161067-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1571105-3 LCS recoveries for 3-chloropropene (133%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 11/15/21

**AIR**



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

**SAMPLE RESULTS**

Lab ID: L2161067-01  
 Client ID: SV1  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 10:50  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/14/21 05:02  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.617	0.200	--	3.05	0.989	--		1
Chloromethane	0.559	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	13.9	0.200	--	30.8	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	1.02	0.200	--	2.69	0.528	--		1
Ethanol	13.7	5.00	--	25.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	314	1.00	--	746	2.38	--		1
Trichlorofluoromethane	0.305	0.200	--	1.71	1.12	--		1
Isopropanol	2.45	0.500	--	6.02	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	0.507	0.500	--	1.76	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	14.1	0.200	--	43.9	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.214	0.200	--	0.848	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	24.2	0.500	--	71.4	1.47	--		1
cis-1,2-Dichloroethene	0.382	0.200	--	1.51	0.793	--		1



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

### SAMPLE RESULTS

Lab ID: L2161067-01  
 Client ID: SV1  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 10:50  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	0.566	0.500	--	2.04	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.13	0.500	--	6.28	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	12.9	0.200	--	45.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	4.77	0.200	--	15.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.92	0.200	--	6.61	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	11.3	0.200	--	60.7	1.07	--		1
2,2,4-Trimethylpentane	3.70	0.200	--	17.3	0.934	--		1
Heptane	5.52	0.200	--	22.6	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	7.58	0.500	--	31.1	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	38.5	0.200	--	145	0.754	--		1
2-Hexanone	0.450	0.200	--	1.84	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	4.44	0.200	--	30.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.72	0.200	--	20.5	0.869	--		1



**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161067**Project Number:** 0200894**Report Date:** 11/15/21**SAMPLE RESULTS**

Lab ID: L2161067-01

Date Collected: 11/05/21 10:50

Client ID: SV1

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	16.0	0.400	--	69.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.441	0.200	--	1.88	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.92	0.200	--	17.0	0.869	--		1
4-Ethyltoluene	0.514	0.200	--	2.53	0.983	--		1
1,3,5-Trimethylbenzene	0.385	0.200	--	1.89	0.983	--		1
1,2,4-Trimethylbenzene	1.40	0.200	--	6.88	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	93		60-140
chlorobenzene-d5	91		60-140



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

### SAMPLE RESULTS

Lab ID: L2161067-02  
 Client ID: SV2  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 14:11  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/14/21 05:41  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--		1
Chloromethane	1.88	0.200	--	3.88	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	19.5	0.200	--	43.1	0.442	--		1
Bromomethane	0.251	0.200	--	0.975	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	20.3	5.00	--	38.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	978	1.00	--	2320	2.38	--	E	1
Trichlorofluoromethane	0.256	0.200	--	1.44	1.12	--		1
Isopropanol	3.60	0.500	--	8.85	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	2.40	0.200	--	7.47	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	26.7	0.500	--	78.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1





**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161067**Project Number:** 0200894**Report Date:** 11/15/21**SAMPLE RESULTS**

Lab ID: L2161067-02

Date Collected: 11/05/21 14:11

Client ID: SV2

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
Ethyl Acetate	3.54	0.500	--	12.8	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	5.07	0.500	--	15.0	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	19.2	0.200	--	67.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	4.96	0.200	--	15.8	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.70	0.200	--	5.85	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	4.25	0.200	--	19.9	0.934	--		1
Heptane	6.11	0.200	--	25.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.52	0.500	--	10.3	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	62.0	0.200	--	234	0.754	--		1
2-Hexanone	2.63	0.200	--	10.8	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.288	0.200	--	1.95	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	7.06	0.200	--	30.7	0.869	--		1



**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161067**Project Number:** 0200894**Report Date:** 11/15/21**SAMPLE RESULTS**

Lab ID: L2161067-02

Date Collected: 11/05/21 14:11

Client ID: SV2

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
<b>Volatile Organics in Air - Mansfield Lab</b>								
p/m-Xylene	24.8	0.400	--	108	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.701	0.200	--	2.98	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.94	0.200	--	25.8	0.869	--		1
4-Ethyltoluene	0.728	0.200	--	3.58	0.983	--		1
1,3,5-Trimethylbenzene	0.631	0.200	--	3.10	0.983	--		1
1,2,4-Trimethylbenzene	2.25	0.200	--	11.1	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	92		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140



**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161067**Project Number:** 0200894**Report Date:** 11/15/21**SAMPLE RESULTS**

Lab ID: L2161067-02 D  
 Client ID: SV2  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 14:11  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil\_Vapor  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/14/21 10:39  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Acetone	1420	5.00	--	3370	11.9	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: 43 FRANKLIN AVE

Lab Number: L2161067

Project Number: 0200894

Report Date: 11/15/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/13/21 16:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1571105-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1





Project Name: 43 FRANKLIN AVE

Lab Number: L2161067

Project Number: 0200894

Report Date: 11/15/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/13/21 16:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1571105-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: 43 FRANKLIN AVE

Lab Number: L2161067

Project Number: 0200894

Report Date: 11/15/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/13/21 16:41

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1571105-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161067

Project Number: 0200894

Report Date: 11/15/21

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: WG1571105-3								
Dichlorodifluoromethane	106		-		70-130	-		
Chloromethane	99		-		70-130	-		
Freon-114	105		-		70-130	-		
Vinyl chloride	122		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	118		-		70-130	-		
Chloroethane	129		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	106		-		70-130	-		
Acetone	127		-		40-160	-		
Trichlorofluoromethane	116		-		70-130	-		
Isopropanol	119		-		40-160	-		
1,1-Dichloroethene	122		-		70-130	-		
Tertiary butyl Alcohol	116		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	133	Q	-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	104		-		70-130	-		
trans-1,2-Dichloroethene	121		-		70-130	-		
1,1-Dichloroethane	121		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	111		-		70-130	-		
cis-1,2-Dichloroethene	127		-		70-130	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161067

Project Number: 0200894

Report Date: 11/15/21

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: WG1571105-3								
Ethyl Acetate	128		-		70-130	-		
Chloroform	115		-		70-130	-		
Tetrahydrofuran	113		-		70-130	-		
1,2-Dichloroethane	124		-		70-130	-		
n-Hexane	112		-		70-130	-		
1,1,1-Trichloroethane	111		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	128		-		70-130	-		
Cyclohexane	111		-		70-130	-		
1,2-Dichloropropane	111		-		70-130	-		
Bromodichloromethane	115		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	112		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	126		-		70-130	-		
1,2-Dibromoethane	98		-		70-130	-		



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161067

Report Date: 11/15/21

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: WG1571105-3								
Tetrachloroethene	95		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	127		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	93		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	90		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Serial\_No:11152116:38  
Lab Number: L2161067

Report Date: 11/15/21

### 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
L2161067-01	SV1	01802	Flow 3	11/05/21	369523		-	-	-	Pass	18.0	18.4	2
L2161067-01	SV1	3243	2.7L Can	11/05/21	369523	L2158701-07	Pass	28.4	-4.9	-	-	-	-
L2161067-02	SV2	01588	Flow 4	11/05/21	369523		-	-	-	Pass	18.1	13.1	32
L2161067-02	SV2	2229	2.7L Can	11/05/21	369523	L2158701-07	Pass	29.8	-6.7	-	-	-	-

**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15  
 Analytical Date: 11/01/21 21:42  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	73		60-140
Bromochloromethane	75		60-140
chlorobenzene-d5	76		60-140



**Project Name:** BATCH CANISTER CERTIFICATION  
**Project Number:** CANISTER QC BAT

**Lab Number:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Air  
 Analytical Method: 48,TO-15-SIM  
 Analytical Date: 11/01/21 21:42  
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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:** L2158701  
**Report Date:** 11/15/21

### Air Canister Certification Results

Lab ID: L2158701-07  
 Client ID: CAN 3423 SHELF 22  
 Sample Location:

Date Collected: 10/27/21 08:00  
 Date Received: 10/27/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	73		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	77		60-140





**Project Name:** 43 FRANKLIN AVE

**Project Number:** 0200894

Serial\_No:11152116:38

**Lab Number:** L2161067

**Report Date:** 11/15/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**

NA                                      Absent

**Container Information**

**Container ID**    **Container Type**

L2161067-01A    Canister - 2.7 Liter

L2161067-02A    Canister - 2.7 Liter

<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
NA	NA			Y	Absent		TO15-LL(30)
NA	NA			Y	Absent		TO15-LL(30)

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

## 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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

#### 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.

**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'.

**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.

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.)

**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.
- 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

Report Format: Data Usability Report



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

#### **Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161067  
**Report Date:** 11/15/21

## 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

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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, NO<sub>2</sub>, NO<sub>3</sub>.

**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

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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, SM4500CI-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, **LCHAT 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**

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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

**Client Information**

Client: Haley & Aldrich of New York  
 Address: 237 West 35th Street, Floor 16  
New York, NY 10123  
 Phone:  
 Fax:  
 Email: ESnead@haleyaldrich.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List:

**Project Information**

Project Name: 43 Franklin Ave  
 Project Location: 43 Franklin Avenue, Brooklyn, NY  
 Project #: 0200894  
 Project Manager: Emily Snead  
 ALPHA Quote #:

**Turn-Around Time**

Standard  RUSH (only confirmed if pre-approved)

Date Due: \_\_\_\_\_ Time: \_\_\_\_\_

Date Rec'd in Lab: 11/6/21

**Report Information - Data Deliverables**

FAX  
 ADEX  
 Criteria Checker: \_\_\_\_\_  
 (Default based on Regulatory Criteria Indicated)  
 Other Formats: \_\_\_\_\_  
 EMAIL (standard pdf report)  
 Additional Deliverables: \_\_\_\_\_  
 Report to: (if different than Project Manager)

ALPHA Job #: 12161067

**Billing Information**

Same as Client info PO #:

**Regulatory Requirements/Report Limits**

State/Fed	Program	Res / Comm

**All Columns Below Must Be Filled Out**

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH <small>Subtract Non-petroleum HCs</small>	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum											
<u>61067-01</u>	<u>SV1</u>	<u>11-5-21</u>	<u>0850</u>	<u>1050</u>	<u>-29.68</u>	<u>-7.43</u>	<u>SV</u>	<u>25</u>	<u>2.7L</u>	<u>3243</u>	<u>01802</u>	<u>X</u>					
<u>-02</u>	<u>SV2</u>	<u>11-5-21</u>	<u>1211</u>	<u>1411</u>	<u>-30.83</u>	<u>-8.38</u>	<u>SV</u>	<u>25</u>	<u>2.7L</u>	<u>2229</u>	<u>01588</u>	<u>X</u>					

\*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)  
 SV = Soil Vapor/Landfill Gas/SVE  
 Other = Please Specify

Container Type CS

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

Josh Simmel  
11/5/21 1418

11/5/21 1835

[Signature]  
11/6/21

11/5/21 1948  
11/5/21 20:30



## ANALYTICAL REPORT

Lab Number:	L2161092
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	43 FRANKLIN AVE
Project Number:	0200894
Report Date:	11/11/21

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

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

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2161092-01	TW1	WATER	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 12:44	11/05/21
L2161092-02	TW2	WATER	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 13:40	11/05/21

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

### Case Narrative

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

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

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

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

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

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

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**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**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.

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

Authorized Signature:  Melissa Sturgis

Title: Technical Director/Representative

Date: 11/11/21

# ORGANICS

# VOLATILES

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161092**Project Number:** 0200894**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2161092-01  
 Client ID: TW1  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 12:44  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260C  
 Analytical Date: 11/09/21 10:39  
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	1.8		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
1,1,1,2,2-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: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

## SAMPLE RESULTS

Lab ID: L2161092-01

Date Collected: 11/05/21 12:44

Client ID: TW1

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.44	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-01  
**Client ID:** TW1  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 12:44  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-02  
**Client ID:** TW2  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:40  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/09/21 10:59  
**Analyst:** LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.4	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.25	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-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: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

## SAMPLE RESULTS

Lab ID: L2161092-02  
 Client ID: TW2  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:40  
 Date Received: 11/05/21  
 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	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.85	J	ug/l	2.5	0.70	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-02  
**Client ID:** TW2  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:40  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
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	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/09/21 08:37  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1569580-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/09/21 08:37  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1569580-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/09/21 08:37  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1569580-5					
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	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	104		70-130



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1569580-3 WG1569580-4								
Methylene chloride	89		96		70-130	8		20
1,1-Dichloroethane	92		95		70-130	3		20
Chloroform	94		91		70-130	3		20
Carbon tetrachloride	88		86		63-132	2		20
1,2-Dichloropropane	93		97		70-130	4		20
Dibromochloromethane	85		88		63-130	3		20
1,1,2-Trichloroethane	93		92		70-130	1		20
Tetrachloroethene	95		96		70-130	1		20
Chlorobenzene	97		99		75-130	2		20
Trichlorofluoromethane	94		98		62-150	4		20
1,2-Dichloroethane	87		92		70-130	6		20
1,1,1-Trichloroethane	94		95		67-130	1		20
Bromodichloromethane	89		94		67-130	5		20
trans-1,3-Dichloropropene	86		97		70-130	12		20
cis-1,3-Dichloropropene	91		95		70-130	4		20
1,1-Dichloropropene	97		94		70-130	3		20
Bromoform	86		87		54-136	1		20
1,1,1,2,2-Tetrachloroethane	90		98		67-130	9		20
Benzene	94		96		70-130	2		20
Toluene	99		99		70-130	0		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	96		96		64-130	0		20
Bromomethane	100		110		39-139	10		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1569580-3 WG1569580-4								
Vinyl chloride	98		100		55-140	2		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	89		97		61-145	9		20
trans-1,2-Dichloroethene	98		89		70-130	10		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	80		87		63-130	8		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		98		70-130	2		20
Dibromomethane	88		99		70-130	12		20
1,2,3-Trichloropropane	92		94		64-130	2		20
Acrylonitrile	78		83		70-130	6		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	95		93		36-147	2		20
Acetone	81		87		58-148	7		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	72		75		63-138	4		20
Vinyl acetate	84		91		70-130	8		20
4-Methyl-2-pentanone	77		77		59-130	0		20
2-Hexanone	72		80		57-130	11		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1569580-3 WG1569580-4								
Bromochloromethane	88		98		70-130	11		20
2,2-Dichloropropane	92		98		63-133	6		20
1,2-Dibromoethane	86		91		70-130	6		20
1,3-Dichloropropane	87		94		70-130	8		20
1,1,1,2-Tetrachloroethane	85		90		64-130	6		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	79		94		41-144	17		20
Hexachlorobutadiene	94		100		63-130	6		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	85		91		70-130	7		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	86		90		70-130	5		20
1,2,4-Trichlorobenzene	92		95		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	114		120		56-162	5		20
p-Diethylbenzene	100		110		70-130	10		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161092

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1569580-3 WG1569580-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	97		100		70-130	3		20
Ethyl ether	89		93		59-134	4		20
trans-1,4-Dichloro-2-butene	88		90		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		97		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	101		104		70-130

# SEMIVOLATILES

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

Lab ID: L2161092-01  
 Client ID: TW1  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 12:44  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D  
 Analytical Date: 11/09/21 08:55  
 Analyst: JG

Extraction Method: EPA 3510C  
 Extraction Date: 11/08/21 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1



Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

## SAMPLE RESULTS

Lab ID: L2161092-01

Date Collected: 11/05/21 12:44

Client ID: TW1

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	12.	J	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	65		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	67		41-149

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-01  
**Client ID:** TW1  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 12:44  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D-SIM  
**Analytical Date:** 11/09/21 15:08  
**Analyst:** JJW

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/08/21 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.08	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.08	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

Lab ID: L2161092-01  
 Client ID: TW1  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 12:44  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	93		41-149

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-02  
**Client ID:** TW2  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:40  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/09/21 09:19  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 11/08/21 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

**Lab ID:** L2161092-02  
**Client ID:** TW2  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:40  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	0.63	J	ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	75		41-149

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**SAMPLE RESULTS**

Lab ID: L2161092-02  
 Client ID: TW2  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:40  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8270D-SIM  
 Analytical Date: 11/09/21 15:28  
 Analyst: JJW

Extraction Method: EPA 3510C  
 Extraction Date: 11/08/21 17:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.64		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	3.4		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	1.0		ug/l	0.10	0.05	1
Benzo(a)anthracene	1.4		ug/l	0.10	0.02	1
Benzo(a)pyrene	1.2		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	1.6		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.47		ug/l	0.10	0.01	1
Chrysene	1.3		ug/l	0.10	0.01	1
Acenaphthylene	0.11		ug/l	0.10	0.01	1
Anthracene	0.48		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.79		ug/l	0.10	0.01	1
Fluorene	0.42		ug/l	0.10	0.01	1
Phenanthrene	3.1		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.19		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.99		ug/l	0.10	0.01	1
Pyrene	3.2		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.35		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161092**Project Number:** 0200894**Report Date:** 11/11/21**SAMPLE RESULTS**

Lab ID: L2161092-02

Date Collected: 11/05/21 13:40

Client ID: TW2

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	100		41-149



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/08/21 23:32  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/08/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1568597-1					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/08/21 23:32  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/08/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1568597-1					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/08/21 23:32  
Analyst: JG

Extraction Method: EPA 3510C  
Extraction Date: 11/08/21 15:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1568597-1					
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	51		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/09/21 13:31  
Analyst: JJW

Extraction Method: EPA 3510C  
Extraction Date: 11/08/21 15:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1568608-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 11/09/21 13:31  
Analyst: JJW

Extraction Method: EPA 3510C  
Extraction Date: 11/08/21 15:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1568608-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	70		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1568597-2 WG1568597-3								
Acenaphthene	60		64		37-111	6		30
1,2,4-Trichlorobenzene	63		64		39-98	2		30
Hexachlorobenzene	70		71		40-140	1		30
Bis(2-chloroethyl)ether	55		60		40-140	9		30
2-Chloronaphthalene	63		63		40-140	0		30
1,2-Dichlorobenzene	60		58		40-140	3		30
1,3-Dichlorobenzene	57		54		40-140	5		30
1,4-Dichlorobenzene	57		58		36-97	2		30
3,3'-Dichlorobenzidine	66		68		40-140	3		30
2,4-Dinitrotoluene	63		67		48-143	6		30
2,6-Dinitrotoluene	61		67		40-140	9		30
Fluoranthene	70		69		40-140	1		30
4-Chlorophenyl phenyl ether	67		71		40-140	6		30
4-Bromophenyl phenyl ether	68		68		40-140	0		30
Bis(2-chloroisopropyl)ether	44		44		40-140	0		30
Bis(2-chloroethoxy)methane	58		59		40-140	2		30
Hexachlorobutadiene	70		66		40-140	6		30
Hexachlorocyclopentadiene	65		61		40-140	6		30
Hexachloroethane	56		51		40-140	9		30
Isophorone	56		61		40-140	9		30
Naphthalene	58		59		40-140	2		30
Nitrobenzene	54		62		40-140	14		30
NDPA/DPA	69		70		40-140	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1568597-2 WG1568597-3								
n-Nitrosodi-n-propylamine	56		62		29-132	10		30
Bis(2-ethylhexyl)phthalate	57		55		40-140	4		30
Butyl benzyl phthalate	61		62		40-140	2		30
Di-n-butylphthalate	62		61		40-140	2		30
Di-n-octylphthalate	61		61		40-140	0		30
Diethyl phthalate	62		63		40-140	2		30
Dimethyl phthalate	65		68		40-140	5		30
Benzo(a)anthracene	66		68		40-140	3		30
Benzo(a)pyrene	76		79		40-140	4		30
Benzo(b)fluoranthene	74		79		40-140	7		30
Benzo(k)fluoranthene	71		74		40-140	4		30
Chrysene	69		68		40-140	1		30
Acenaphthylene	63		63		45-123	0		30
Anthracene	68		68		40-140	0		30
Benzo(ghi)perylene	69		71		40-140	3		30
Fluorene	63		66		40-140	5		30
Phenanthrene	64		67		40-140	5		30
Dibenzo(a,h)anthracene	70		72		40-140	3		30
Indeno(1,2,3-cd)pyrene	72		71		40-140	1		30
Pyrene	70		71		26-127	1		30
Biphenyl	66		70		40-140	6		30
4-Chloroaniline	33	Q	40		40-140	19		30
2-Nitroaniline	63		64		52-143	2		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1568597-2 WG1568597-3								
3-Nitroaniline	52		57		25-145	9		30
4-Nitroaniline	56		58		51-143	4		30
Dibenzofuran	64		67		40-140	5		30
2-Methylnaphthalene	63		62		40-140	2		30
1,2,4,5-Tetrachlorobenzene	72		75		2-134	4		30
Acetophenone	60		66		39-129	10		30
2,4,6-Trichlorophenol	72		75		30-130	4		30
p-Chloro-m-cresol	68		70		23-97	3		30
2-Chlorophenol	59		64		27-123	8		30
2,4-Dichlorophenol	68		74		30-130	8		30
2,4-Dimethylphenol	62		69		30-130	11		30
2-Nitrophenol	56		62		30-130	10		30
4-Nitrophenol	48		51		10-80	6		30
2,4-Dinitrophenol	53		53		20-130	0		30
4,6-Dinitro-o-cresol	63		68		20-164	8		30
Pentachlorophenol	65		68		9-103	5		30
Phenol	43		45		12-110	5		30
2-Methylphenol	60		62		30-130	3		30
3-Methylphenol/4-Methylphenol	60		67		30-130	11		30
2,4,5-Trichlorophenol	74		71		30-130	4		30
Benzoic Acid	15		15		10-164	0		30
Benzyl Alcohol	56		56		26-116	0		30
Carbazole	70		70		55-144	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161092

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1568597-2 WG1568597-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		52		21-120
Phenol-d6	42		44		10-120
Nitrobenzene-d5	58		61		23-120
2-Fluorobiphenyl	61		62		15-120
2,4,6-Tribromophenol	75		69		10-120
4-Terphenyl-d14	79		75		41-149

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1568608-2 WG1568608-3								
Acenaphthene	68		73		40-140	7		40
2-Chloronaphthalene	67		72		40-140	7		40
Fluoranthene	74		80		40-140	8		40
Hexachlorobutadiene	58		68		40-140	16		40
Naphthalene	66		72		40-140	9		40
Benzo(a)anthracene	69		74		40-140	7		40
Benzo(a)pyrene	72		74		40-140	3		40
Benzo(b)fluoranthene	75		79		40-140	5		40
Benzo(k)fluoranthene	75		82		40-140	9		40
Chrysene	73		77		40-140	5		40
Acenaphthylene	68		73		40-140	7		40
Anthracene	72		76		40-140	5		40
Benzo(ghi)perylene	78		82		40-140	5		40
Fluorene	70		76		40-140	8		40
Phenanthrene	71		75		40-140	5		40
Dibenzo(a,h)anthracene	84		89		40-140	6		40
Indeno(1,2,3-cd)pyrene	85		88		40-140	3		40
Pyrene	75		80		40-140	6		40
2-Methylnaphthalene	72		77		40-140	7		40
Pentachlorophenol	75		75		40-140	0		40
Hexachlorobenzene	67		74		40-140	10		40
Hexachloroethane	56		63		40-140	12		40

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161092

Project Number: 0200894

Report Date: 11/11/21

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1568608-2 WG1568608-3

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria
2-Fluorophenol	59		59		21-120
Phenol-d6	48		50		10-120
Nitrobenzene-d5	65		66		23-120
2-Fluorobiphenyl	69		76		15-120
2,4,6-Tribromophenol	73		77		10-120
4-Terphenyl-d14	79		82		41-149

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

Serial\_No:11112110:27  
**Lab Number:** L2161092  
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**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2161092-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-01D	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2161092-01E	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2161092-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2161092-02D	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2161092-02E	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

\*Values in parentheses indicate holding time in days



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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 43 FRANKLIN AVE  
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#### Footnotes

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

#### Terms

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

**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'.

**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.

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.)

**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 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.

Report Format: DU Report with 'J' Qualifiers





**Project Name:** 43 FRANKLIN AVE  
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**Lab Number:** L2161092  
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**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161092  
**Report Date:** 11/11/21

## 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

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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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

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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, SM4500CI-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, **LCHAT 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**

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

 <b>NEW YORK CHAIN OF CUSTODY</b> Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page		Date Rec'd in Lab		ALPHA Job #				
				1 of 1								
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		<b>Project Information</b>				<b>Deliverables</b>				<b>Billing Information</b>		
		Project Name: <b>43 Franklin Ave</b> Project Location: <b>43 Franklin Avenue, Brooklyn, NY</b> Project # <b>0200894</b> (Use Project name as Project #) <input type="checkbox"/>				<input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EquiS (1 File) <input type="checkbox"/> EquiS (4 File) <input type="checkbox"/> Other				<input checked="" type="checkbox"/> Same as Client Info PO #		
<b>Client Information</b>		<b>Project Manager:</b> <b>Emily Sneed</b>				<b>Regulatory Requirement</b>				<b>Disposal Site Information</b>		
Client: <b>Haley &amp; Aldrich of New York</b> Address: <b>237 West 35th Street,</b> <b>Floor 16, New York, NY 10123</b> Phone: Fax: Email: <b>ESneed@haleyaldrich.com</b>		ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:				<input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input checked="" type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge				Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:		
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments:						<b>ANALYSIS</b>				<b>Sample Filtration</b>		
Please specify Metals or TAL.						TCL Volatiles		NYTL Semivolatiles		<input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles
										Sample Specific Comments		
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix	Sampler's Initials					
		Date	Time									
61092		11-5-21	1244	GW	25	X	X					5
		11-5-21	1340	GW	25	X	X					5
Preservative Code:		Container Code		Westboro: Certification No: MA935		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. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
A = None		P = Plastic		Mansfield: Certification No: MA015		V A						
B = HCl		A = Amber Glass				B A						
C = HNO <sub>3</sub>		V = Vial										
D = H <sub>2</sub> SO <sub>4</sub>		G = Glass										
E = NaOH		B = Bacteria Cup										
F = MeOH		C = Cube										
G = NaHSO <sub>4</sub>		O = Other										
H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		E = Encore										
K/E = Zn Ac/NaOH		D = BOD Bottle										
O = Other												
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time				
		Mark Simul		11-5-21 / 1448		Paul Maggella		11/5/21 18:40				
		Paul Maggella		11/5/21 18:35		Paul Maggella		11/5/21 23:43				



## ANALYTICAL REPORT

Lab Number:	L2161093
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Emily Snead
Phone:	(646) 277-5685
Project Name:	43 FRANKLIN AVE
Project Number:	0200894
Report Date:	11/12/21

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

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2161093-01	SB1 (0-2')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 08:00	11/05/21
L2161093-02	SB2 (0-2')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 09:00	11/05/21
L2161093-03	SB3 (6-8')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 09:45	11/05/21
L2161093-04	SB4 (6-8')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 11:38	11/05/21
L2161093-05	SB5 (11-13')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 10:15	11/05/21
L2161093-06	SB6 (3-5')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 11:02	11/05/21
L2161093-07	SB8 (5-7')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 13:00	11/05/21
L2161093-08	SB8 (18-20')	SOIL	43 FRANKLIN AVENUE, BROOKLYN, NY	11/05/21 13:16	11/05/21

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

### Case Narrative

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

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

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

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

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

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

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**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

### Case Narrative (continued)

#### Report Submission

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

#### Semivolatile Organics

The WG1568736-2/-3 LCS/LCSD recoveries, associated with L2161093-01 through -07, are below the acceptance criteria for benzoic acid (5%/7%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

#### Total Metals

L2161093-01 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.

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: 11/12/21



# ORGANICS

# VOLATILES

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-01  
 Client ID: SB1 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 08:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/11/21 20:39  
 Analyst: JC  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-01

Date Collected: 11/05/21 08:00

Client ID: SB1 (0-2')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, 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	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-01  
**Client ID:** SB1 (0-2')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 08:00  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-02  
 Client ID: SB2 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/11/21 21:04  
 Analyst: JC  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	0.72		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.51	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-02  
 Client ID: SB2 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.86	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	7.2		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-02  
**Client ID:** SB2 (0-2')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 09:00  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-03  
**Client ID:** SB3 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 09:45  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/11/21 21:29  
**Analyst:** JC  
**Percent Solids:** 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-03  
 Client ID: SB3 (6-8')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:45  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-03  
**Client ID:** SB3 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 09:45  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-04  
**Client ID:** SB4 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 11:38  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/11/21 21:53  
**Analyst:** JC  
**Percent Solids:** 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-04  
 Client ID: SB4 (6-8')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:38  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-04  
**Client ID:** SB4 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 11:38  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-05  
**Client ID:** SB5 (11-13')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 10:15  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 11/12/21 12:37  
**Analyst:** MKS  
**Percent Solids:** 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-05  
 Client ID: SB5 (11-13')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 10:15  
 Date Received: 11/05/21  
 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	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	9.9	J	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-05  
**Client ID:** SB5 (11-13')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 10:15  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-06  
 Client ID: SB6 (3-5')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:02  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/11/21 22:43  
 Analyst: JC  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	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	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	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	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	1.4		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-06  
 Client ID: SB6 (3-5')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:02  
 Date Received: 11/05/21  
 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	1.0	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-06

Date Collected: 11/05/21 11:02

Client ID: SB6 (3-5')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-07  
 Client ID: SB8 (5-7')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/11/21 23:08  
 Analyst: JC  
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
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	4.0		ug/kg	0.80	0.26	1
Toluene	1.6		ug/kg	1.6	0.87	1
Ethylbenzene	0.44	J	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: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-07  
 Client ID: SB8 (5-7')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:00  
 Date Received: 11/05/21  
 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	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		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	93		ug/kg	16	7.7	1
Carbon disulfide	ND		ug/kg	16	7.2	1
2-Butanone	32		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	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		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	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.4	1.0	1
Acrylonitrile	ND		ug/kg	6.4	1.8	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-07

Date Collected: 11/05/21 13:00

Client ID: SB8 (5-7')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	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	ND		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	ND		ug/kg	3.2	0.28	1
p-Ethyltoluene	ND		ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	ND		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	121		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-08  
 Client ID: SB8 (18-20')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:16  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 11/12/21 13:02  
 Analyst: MKS  
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-08  
 Client ID: SB8 (18-20')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:16  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-08  
**Client ID:** SB8 (18-20')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:16  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/11/21 16:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1570641-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/11/21 16:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1570641-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/11/21 16:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,06-07 Batch: WG1570641-5					
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	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/12/21 08:01  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,08 Batch: WG1570741-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/12/21 08:01  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,08 Batch: WG1570741-5					
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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 11/12/21 08:01  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,08 Batch: WG1570741-5					
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	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1570641-3 WG1570641-4								
Methylene chloride	91		91		70-130	0		30
1,1-Dichloroethane	111		111		70-130	0		30
Chloroform	97		97		70-130	0		30
Carbon tetrachloride	96		95		70-130	1		30
1,2-Dichloropropane	112		113		70-130	1		30
Dibromochloromethane	90		91		70-130	1		30
1,1,2-Trichloroethane	108		109		70-130	1		30
Tetrachloroethene	98		95		70-130	3		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	83		81		70-139	2		30
1,2-Dichloroethane	106		108		70-130	2		30
1,1,1-Trichloroethane	102		101		70-130	1		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	113		113		70-130	0		30
cis-1,3-Dichloropropene	107		108		70-130	1		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	101		102		70-130	1		30
1,1,2,2-Tetrachloroethane	115		117		70-130	2		30
Benzene	103		102		70-130	1		30
Toluene	102		101		70-130	1		30
Ethylbenzene	100		99		70-130	1		30
Chloromethane	110		106		52-130	4		30
Bromomethane	64		61		57-147	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1570641-3 WG1570641-4								
Vinyl chloride	87		83		67-130	5		30
Chloroethane	82		79		50-151	4		30
1,1-Dichloroethene	92		91		65-135	1		30
trans-1,2-Dichloroethene	92		91		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	95		94		70-130	1		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	96		99		66-130	3		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	100		99		70-130	1		30
cis-1,2-Dichloroethene	94		93		70-130	1		30
Dibromomethane	96		98		70-130	2		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	65		63		30-146	3		30
Acetone	67		68		54-140	1		30
Carbon disulfide	90		88		59-130	2		30
2-Butanone	98		114		70-130	15		30
Vinyl acetate	137	Q	144	Q	70-130	5		30
4-Methyl-2-pentanone	121		122		70-130	1		30
1,2,3-Trichloropropane	116		119		68-130	3		30
2-Hexanone	106		109		70-130	3		30
Bromochloromethane	89		88		70-130	1		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1570641-3 WG1570641-4								
2,2-Dichloropropane	103		102		70-130	1		30
1,2-Dibromoethane	108		109		70-130	1		30
1,3-Dichloropropane	110		110		69-130	0		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	113		109		70-130	4		30
sec-Butylbenzene	107		105		70-130	2		30
tert-Butylbenzene	102		100		70-130	2		30
o-Chlorotoluene	109		106		70-130	3		30
p-Chlorotoluene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	106		108		68-130	2		30
Hexachlorobutadiene	101		99		67-130	2		30
Isopropylbenzene	104		101		70-130	3		30
p-Isopropyltoluene	104		101		70-130	3		30
Naphthalene	101		102		70-130	1		30
Acrylonitrile	127		131	Q	70-130	3		30
n-Propylbenzene	107		105		70-130	2		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	97		94		70-130	3		30
1,3,5-Trimethylbenzene	103		101		70-130	2		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
1,4-Dioxane	113		122		65-136	8		30
p-Diethylbenzene	103		101		70-130	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,06-07 Batch: WG1570641-3 WG1570641-4								
p-Ethyltoluene	104		102		70-130	2		30
1,2,4,5-Tetramethylbenzene	101		99		70-130	2		30
Ethyl ether	93		94		67-130	1		30
trans-1,4-Dichloro-2-butene	147	Q	151	Q	70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		115		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	95		95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,08 Batch: WG1570741-3 WG1570741-4								
Methylene chloride	86		91		70-130	6		30
1,1-Dichloroethane	104		108		70-130	4		30
Chloroform	92		96		70-130	4		30
Carbon tetrachloride	87		88		70-130	1		30
1,2-Dichloropropane	106		112		70-130	6		30
Dibromochloromethane	86		93		70-130	8		30
1,1,2-Trichloroethane	101		111		70-130	9		30
Tetrachloroethene	84		85		70-130	1		30
Chlorobenzene	89		93		70-130	4		30
Trichlorofluoromethane	75		75		70-139	0		30
1,2-Dichloroethane	103		110		70-130	7		30
1,1,1-Trichloroethane	93		96		70-130	3		30
Bromodichloromethane	99		105		70-130	6		30
trans-1,3-Dichloropropene	102		110		70-130	8		30
cis-1,3-Dichloropropene	98		105		70-130	7		30
1,1-Dichloropropene	96		99		70-130	3		30
Bromoform	98		107		70-130	9		30
1,1,2,2-Tetrachloroethane	110		118		70-130	7		30
Benzene	96		99		70-130	3		30
Toluene	93		95		70-130	2		30
Ethylbenzene	89		91		70-130	2		30
Chloromethane	98		101		52-130	3		30
Bromomethane	59		60		57-147	2		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,08 Batch: WG1570741-3 WG1570741-4								
Vinyl chloride	77		77		67-130	0		30
Chloroethane	74		74		50-151	0		30
1,1-Dichloroethene	84		85		65-135	1		30
trans-1,2-Dichloroethene	84		85		70-130	1		30
Trichloroethene	89		92		70-130	3		30
1,2-Dichlorobenzene	87		90		70-130	3		30
1,3-Dichlorobenzene	84		86		70-130	2		30
1,4-Dichlorobenzene	83		84		70-130	1		30
Methyl tert butyl ether	93		102		66-130	9		30
p/m-Xylene	89		91		70-130	2		30
o-Xylene	91		94		70-130	3		30
cis-1,2-Dichloroethene	89		92		70-130	3		30
Dibromomethane	93		100		70-130	7		30
Styrene	90		93		70-130	3		30
Dichlorodifluoromethane	58		58		30-146	0		30
Acetone	58		68		54-140	16		30
Carbon disulfide	79		81		59-130	3		30
2-Butanone	96		114		70-130	17		30
Vinyl acetate	126		132	Q	70-130	5		30
4-Methyl-2-pentanone	108		126		70-130	15		30
1,2,3-Trichloropropane	109		121		68-130	10		30
2-Hexanone	95		110		70-130	15		30
Bromochloromethane	85		91		70-130	7		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,08 Batch: WG1570741-3 WG1570741-4								
2,2-Dichloropropane	87		90		70-130	3		30
1,2-Dibromoethane	102		114		70-130	11		30
1,3-Dichloropropane	103		112		69-130	8		30
1,1,1,2-Tetrachloroethane	98		102		70-130	4		30
Bromobenzene	90		92		70-130	2		30
n-Butylbenzene	88		87		70-130	1		30
sec-Butylbenzene	93		93		70-130	0		30
tert-Butylbenzene	92		92		70-130	0		30
o-Chlorotoluene	97		99		70-130	2		30
p-Chlorotoluene	96		97		70-130	1		30
1,2-Dibromo-3-chloropropane	100		117		68-130	16		30
Hexachlorobutadiene	84		85		67-130	1		30
Isopropylbenzene	93		94		70-130	1		30
p-Isopropyltoluene	87		88		70-130	1		30
Naphthalene	92		102		70-130	10		30
Acrylonitrile	118		134	Q	70-130	13		30
n-Propylbenzene	92		93		70-130	1		30
1,2,3-Trichlorobenzene	82		87		70-130	6		30
1,2,4-Trichlorobenzene	74		76		70-130	3		30
1,3,5-Trimethylbenzene	91		92		70-130	1		30
1,2,4-Trimethylbenzene	91		92		70-130	1		30
1,4-Dioxane	110		126		65-136	14		30
p-Diethylbenzene	82		82		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,08 Batch: WG1570741-3 WG1570741-4								
p-Ethyltoluene	89		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	84		86		70-130	2		30
Ethyl ether	89		96		67-130	8		30
trans-1,4-Dichloro-2-butene	125		139	Q	70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		114		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	112		111		70-130
Dibromofluoromethane	95		96		70-130



# SEMIVOLATILES

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-01  
 Client ID: SB1 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 08:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/11/21 22:16  
 Analyst: CMM  
 Percent Solids: 89%

Extraction Method: EPA 3546  
 Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	32	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	810		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	62	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	65	J	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: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-01  
 Client ID: SB1 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 08:00  
 Date Received: 11/05/21  
 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	430		ug/kg	110	21.	1
Benzo(a)pyrene	460		ug/kg	150	45.	1
Benzo(b)fluoranthene	560		ug/kg	110	31.	1
Benzo(k)fluoranthene	230		ug/kg	110	29.	1
Chrysene	450		ug/kg	110	19.	1
Acenaphthylene	36	J	ug/kg	150	28.	1
Anthracene	92	J	ug/kg	110	36.	1
Benzo(ghi)perylene	310		ug/kg	150	22.	1
Fluorene	30	J	ug/kg	180	18.	1
Phenanthrene	380		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	67	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	150	26.	1
Pyrene	760		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	17	J	ug/kg	180	17.	1
2-Methylnaphthalene	62	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:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-01  
**Client ID:** SB1 (0-2')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 08:00  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	37	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	63		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-02 D2  
 Client ID: SB2 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/12/21 08:24  
 Analyst: CMM  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Fluoranthene	69000		ug/kg	2800	530	25
Benzo(a)anthracene	44000		ug/kg	2800	520	25
Benzo(b)fluoranthene	46000		ug/kg	2800	770	25
Chrysene	42000		ug/kg	2800	480	25
Phenanthrene	62000		ug/kg	2800	560	25
Pyrene	66000		ug/kg	2800	460	25

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-02 D  
 Client ID: SB2 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 11/11/21 21:05  
 Analyst: CMM  
 Percent Solids: 88%

Extraction Method: EPA 3546  
 Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	4000		ug/kg	740	95.	5
1,2,4-Trichlorobenzene	ND		ug/kg	920	100	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
1,2-Dichlorobenzene	ND		ug/kg	920	160	5
1,3-Dichlorobenzene	ND		ug/kg	920	160	5
1,4-Dichlorobenzene	ND		ug/kg	920	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	83000	E	ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	98.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	830	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	6400		ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	740	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-02 D  
 Client ID: SB2 (0-2')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00  
 Date Received: 11/05/21  
 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	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	39000	E	ug/kg	550	100	5
Benzo(a)pyrene	33000		ug/kg	740	220	5
Benzo(b)fluoranthene	44000	E	ug/kg	550	150	5
Benzo(k)fluoranthene	14000		ug/kg	550	150	5
Chrysene	40000	E	ug/kg	550	96.	5
Acenaphthylene	2500		ug/kg	740	140	5
Anthracene	13000		ug/kg	550	180	5
Benzo(ghi)perylene	20000		ug/kg	740	110	5
Fluorene	3900		ug/kg	920	89.	5
Phenanthrene	64000	E	ug/kg	550	110	5
Dibenzo(a,h)anthracene	5300		ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	22000		ug/kg	740	130	5
Pyrene	80000	E	ug/kg	550	91.	5
Biphenyl	590	J	ug/kg	2100	210	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	3200		ug/kg	920	87.	5
2-Methylnaphthalene	2400		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	140	J	ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	240	J	ug/kg	1300	140	5

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-02 D

Date Collected: 11/05/21 09:00

Client ID: SB2 (0-2')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	920	180	5
Benzoic Acid	ND		ug/kg	3000	930	5
Benzyl Alcohol	ND		ug/kg	920	280	5
Carbazole	5100		ug/kg	920	89.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	85		18-120



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-03  
**Client ID:** SB3 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 09:45  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/11/21 03:13  
**Analyst:** JG  
**Percent Solids:** 77%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	28.	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	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	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	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-03  
 Client ID: SB3 (6-8')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:45  
 Date Received: 11/05/21  
 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	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	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	79.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-03  
**Client ID:** SB3 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 09:45  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	75		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-04  
**Client ID:** SB4 (6-8')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 11:38  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/11/21 02:26  
**Analyst:** JG  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-04  
 Client ID: SB4 (6-8')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:38  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-04

Date Collected: 11/05/21 11:38

Client ID: SB4 (6-8')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	75		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-05  
**Client ID:** SB5 (11-13')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 10:15  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/11/21 10:16  
**Analyst:** JG  
**Percent Solids:** 81%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	62	J	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	2500		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	100	J	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: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-05  
 Client ID: SB5 (11-13')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 10:15  
 Date Received: 11/05/21  
 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	1000		ug/kg	120	22.	1
Benzo(a)pyrene	840		ug/kg	160	49.	1
Benzo(b)fluoranthene	990		ug/kg	120	34.	1
Benzo(k)fluoranthene	340		ug/kg	120	32.	1
Chrysene	940		ug/kg	120	21.	1
Acenaphthylene	100	J	ug/kg	160	31.	1
Anthracene	520		ug/kg	120	39.	1
Benzo(ghi)perylene	470		ug/kg	160	24.	1
Fluorene	92	J	ug/kg	200	19.	1
Phenanthrene	1500		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	500		ug/kg	160	28.	1
Pyrene	2000		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	64	J	ug/kg	200	19.	1
2-Methylnaphthalene	38	J	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:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-05

Date Collected: 11/05/21 10:15

Client ID: SB5 (11-13')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
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	97	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	69		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-06  
**Client ID:** SB6 (3-5')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 11:02  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/11/21 09:29  
**Analyst:** JG  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	93	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	1300		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	38	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-06  
 Client ID: SB6 (3-5')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:02  
 Date Received: 11/05/21  
 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	610		ug/kg	110	21.	1
Benzo(a)pyrene	530		ug/kg	150	46.	1
Benzo(b)fluoranthene	680		ug/kg	110	31.	1
Benzo(k)fluoranthene	250		ug/kg	110	30.	1
Chrysene	610		ug/kg	110	19.	1
Acenaphthylene	36	J	ug/kg	150	29.	1
Anthracene	230		ug/kg	110	36.	1
Benzo(ghi)perylene	290		ug/kg	150	22.	1
Fluorene	75	J	ug/kg	190	18.	1
Phenanthrene	910		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	74	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	340		ug/kg	150	26.	1
Pyrene	1100		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	47	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-06  
**Client ID:** SB6 (3-5')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 11:02  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	94	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	81		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-07  
**Client ID:** SB8 (5-7')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:00  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/11/21 10:40  
**Analyst:** JG  
**Percent Solids:** 88%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	140		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	34	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-07  
 Client ID: SB8 (5-7')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	77	J	ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	150		ug/kg	110	31.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	30.	1
Chrysene	88	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	100	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	58	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	150	26.	1
Pyrene	120		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-07  
 Client ID: SB8 (5-7')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:00  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	70		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**SAMPLE RESULTS**

**Lab ID:** L2161093-08  
**Client ID:** SB8 (18-20')  
**Sample Location:** 43 FRANKLIN AVENUE, BROOKLYN, NY

**Date Collected:** 11/05/21 13:16  
**Date Received:** 11/05/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 11/10/21 16:21  
**Analyst:** IM  
**Percent Solids:** 89%

**Extraction Method:** EPA 3546  
**Extraction Date:** 11/09/21 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-08  
 Client ID: SB8 (18-20')  
 Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:16  
 Date Received: 11/05/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

**Project Name:** 43 FRANKLIN AVE**Lab Number:** L2161093**Project Number:** 0200894**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-08

Date Collected: 11/05/21 13:16

Client ID: SB8 (18-20')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	54		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/09/21 15:00  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 11/08/21 05:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1568310-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/09/21 15:00  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 11/08/21 05:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1568310-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/09/21 15:00  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 11/08/21 05:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1568310-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	79		18-120

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/10/21 15:16  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1568736-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/10/21 15:16  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1568736-1					
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	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 11/10/21 15:16  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 11/09/21 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1568736-1					
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	69		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	75		18-120



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1568310-2 WG1568310-3								
Acenaphthene	76		70		31-137	8		50
1,2,4-Trichlorobenzene	70		65		38-107	7		50
Hexachlorobenzene	69		63		40-140	9		50
Bis(2-chloroethyl)ether	69		66		40-140	4		50
2-Chloronaphthalene	72		64		40-140	12		50
1,2-Dichlorobenzene	67		64		40-140	5		50
1,3-Dichlorobenzene	66		64		40-140	3		50
1,4-Dichlorobenzene	67		63		28-104	6		50
3,3'-Dichlorobenzidine	70		62		40-140	12		50
2,4-Dinitrotoluene	80		73		40-132	9		50
2,6-Dinitrotoluene	83		75		40-140	10		50
Fluoranthene	78		71		40-140	9		50
4-Chlorophenyl phenyl ether	74		68		40-140	8		50
4-Bromophenyl phenyl ether	72		64		40-140	12		50
Bis(2-chloroisopropyl)ether	56		51		40-140	9		50
Bis(2-chloroethoxy)methane	70		63		40-117	11		50
Hexachlorobutadiene	64		60		40-140	6		50
Hexachlorocyclopentadiene	51		48		40-140	6		50
Hexachloroethane	71		67		40-140	6		50
Isophorone	68		63		40-140	8		50
Naphthalene	68		65		40-140	5		50
Nitrobenzene	75		71		40-140	5		50
NDPA/DPA	77		70		36-157	10		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1568310-2 WG1568310-3								
n-Nitrosodi-n-propylamine	68		64		32-121	6		50
Bis(2-ethylhexyl)phthalate	96		86		40-140	11		50
Butyl benzyl phthalate	92		87		40-140	6		50
Di-n-butylphthalate	84		76		40-140	10		50
Di-n-octylphthalate	96		88		40-140	9		50
Diethyl phthalate	78		71		40-140	9		50
Dimethyl phthalate	72		64		40-140	12		50
Benzo(a)anthracene	82		75		40-140	9		50
Benzo(a)pyrene	72		66		40-140	9		50
Benzo(b)fluoranthene	74		68		40-140	8		50
Benzo(k)fluoranthene	73		66		40-140	10		50
Chrysene	79		72		40-140	9		50
Acenaphthylene	71		64		40-140	10		50
Anthracene	77		72		40-140	7		50
Benzo(ghi)perylene	73		70		40-140	4		50
Fluorene	76		70		40-140	8		50
Phenanthrene	76		72		40-140	5		50
Dibenzo(a,h)anthracene	72		68		40-140	6		50
Indeno(1,2,3-cd)pyrene	73		69		40-140	6		50
Pyrene	78		71		35-142	9		50
Biphenyl	71		66		37-127	7		50
4-Chloroaniline	48		49		40-140	2		50
2-Nitroaniline	90		82		47-134	9		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1568310-2 WG1568310-3								
3-Nitroaniline	80		74		26-129	8		50
4-Nitroaniline	85		76		41-125	11		50
Dibenzofuran	75		68		40-140	10		50
2-Methylnaphthalene	69		63		40-140	9		50
1,2,4,5-Tetrachlorobenzene	69		64		40-117	8		50
Acetophenone	69		64		14-144	8		50
2,4,6-Trichlorophenol	79		72		30-130	9		50
p-Chloro-m-cresol	76		69		26-103	10		50
2-Chlorophenol	82		76		25-102	8		50
2,4-Dichlorophenol	78		71		30-130	9		50
2,4-Dimethylphenol	77		70		30-130	10		50
2-Nitrophenol	105		96		30-130	9		50
4-Nitrophenol	93		81		11-114	14		50
2,4-Dinitrophenol	45		37		4-130	20		50
4,6-Dinitro-o-cresol	51		44		10-130	15		50
Pentachlorophenol	77		71		17-109	8		50
Phenol	74		68		26-90	8		50
2-Methylphenol	80		72		30-130	11		50
3-Methylphenol/4-Methylphenol	78		71		30-130	9		50
2,4,5-Trichlorophenol	83		73		30-130	13		50
Benzoic Acid	63		51		10-110	21		50
Benzyl Alcohol	75		72		40-140	4		50
Carbazole	79		71		54-128	11		50

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1568310-2 WG1568310-3								
1,4-Dioxane	46		48		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		72		25-120
Phenol-d6	80		74		10-120
Nitrobenzene-d5	78		72		23-120
2-Fluorobiphenyl	66		60		30-120
2,4,6-Tribromophenol	76		68		10-136
4-Terphenyl-d14	78		70		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1568736-2 WG1568736-3								
Acenaphthene	71		79		31-137	11		50
1,2,4-Trichlorobenzene	69		69		38-107	0		50
Hexachlorobenzene	69		77		40-140	11		50
Bis(2-chloroethyl)ether	65		64		40-140	2		50
2-Chloronaphthalene	71		75		40-140	5		50
1,2-Dichlorobenzene	67		66		40-140	2		50
1,3-Dichlorobenzene	68		67		40-140	1		50
1,4-Dichlorobenzene	68		65		28-104	5		50
3,3'-Dichlorobenzidine	55		63		40-140	14		50
2,4-Dinitrotoluene	70		80		40-132	13		50
2,6-Dinitrotoluene	69		75		40-140	8		50
Fluoranthene	75		82		40-140	9		50
4-Chlorophenyl phenyl ether	68		77		40-140	12		50
4-Bromophenyl phenyl ether	70		76		40-140	8		50
Bis(2-chloroisopropyl)ether	66		64		40-140	3		50
Bis(2-chloroethoxy)methane	66		70		40-117	6		50
Hexachlorobutadiene	73		68		40-140	7		50
Hexachlorocyclopentadiene	62		61		40-140	2		50
Hexachloroethane	66		67		40-140	2		50
Isophorone	67		69		40-140	3		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	67		70		40-140	4		50
NDPA/DPA	71		80		36-157	12		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1568736-2 WG1568736-3								
n-Nitrosodi-n-propylamine	65		68		32-121	5		50
Bis(2-ethylhexyl)phthalate	85		92		40-140	8		50
Butyl benzyl phthalate	83		89		40-140	7		50
Di-n-butylphthalate	82		89		40-140	8		50
Di-n-octylphthalate	88		95		40-140	8		50
Diethyl phthalate	75		83		40-140	10		50
Dimethyl phthalate	72		79		40-140	9		50
Benzo(a)anthracene	70		77		40-140	10		50
Benzo(a)pyrene	71		80		40-140	12		50
Benzo(b)fluoranthene	72		83		40-140	14		50
Benzo(k)fluoranthene	70		80		40-140	13		50
Chrysene	73		81		40-140	10		50
Acenaphthylene	71		77		40-140	8		50
Anthracene	72		79		40-140	9		50
Benzo(ghi)perylene	71		78		40-140	9		50
Fluorene	70		78		40-140	11		50
Phenanthrene	74		81		40-140	9		50
Dibenzo(a,h)anthracene	72		80		40-140	11		50
Indeno(1,2,3-cd)pyrene	72		80		40-140	11		50
Pyrene	74		81		35-142	9		50
Biphenyl	74		79		37-127	7		50
4-Chloroaniline	42		48		40-140	13		50
2-Nitroaniline	70		76		47-134	8		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1568736-2 WG1568736-3								
3-Nitroaniline	58		64		26-129	10		50
4-Nitroaniline	63		70		41-125	11		50
Dibenzofuran	72		81		40-140	12		50
2-Methylnaphthalene	72		74		40-140	3		50
1,2,4,5-Tetrachlorobenzene	75		76		40-117	1		50
Acetophenone	69		70		14-144	1		50
2,4,6-Trichlorophenol	71		77		30-130	8		50
p-Chloro-m-cresol	73		79		26-103	8		50
2-Chlorophenol	74		71		25-102	4		50
2,4-Dichlorophenol	72		77		30-130	7		50
2,4-Dimethylphenol	71		78		30-130	9		50
2-Nitrophenol	67		69		30-130	3		50
4-Nitrophenol	83		92		11-114	10		50
2,4-Dinitrophenol	37		48		4-130	26		50
4,6-Dinitro-o-cresol	64		71		10-130	10		50
Pentachlorophenol	63		71		17-109	12		50
Phenol	65		73		26-90	12		50
2-Methylphenol	70		76		30-130.	8		50
3-Methylphenol/4-Methylphenol	69		72		30-130	4		50
2,4,5-Trichlorophenol	75		81		30-130	8		50
Benzoic Acid	5	Q	7	Q	10-110	36		50
Benzyl Alcohol	70		76		40-140	8		50
Carbazole	74		81		54-128	9		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1568736-2 WG1568736-3								
1,4-Dioxane	52		49		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		70		25-120
Phenol-d6	77		79		10-120
Nitrobenzene-d5	68		67		23-120
2-Fluorobiphenyl	72		75		30-120
2,4,6-Tribromophenol	71		77		10-136
4-Terphenyl-d14	79		82		18-120



## METALS

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-01

Date Collected: 11/05/21 08:00

Client ID: SB1 (0-2')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	4330		mg/kg	8.82	2.38	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Antimony, Total	1.41	J	mg/kg	4.41	0.335	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Arsenic, Total	6.03		mg/kg	0.882	0.183	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Barium, Total	605		mg/kg	0.882	0.153	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Beryllium, Total	0.282	J	mg/kg	0.441	0.029	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Cadmium, Total	1.04		mg/kg	0.882	0.086	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Calcium, Total	34600		mg/kg	8.82	3.08	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Chromium, Total	14.7		mg/kg	0.882	0.085	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Cobalt, Total	6.14		mg/kg	1.76	0.146	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Copper, Total	107		mg/kg	0.882	0.227	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Iron, Total	19900		mg/kg	4.41	0.796	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Lead, Total	511		mg/kg	4.41	0.236	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Magnesium, Total	16500		mg/kg	8.82	1.36	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Manganese, Total	242		mg/kg	0.882	0.140	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Mercury, Total	0.279		mg/kg	0.091	0.060	1	11/08/21 20:45	11/09/21 10:56	EPA 7471B	1,7471B	AC
Nickel, Total	18.1		mg/kg	2.20	0.213	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Potassium, Total	632		mg/kg	220	12.7	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.76	0.227	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Silver, Total	0.317	J	mg/kg	0.882	0.250	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Sodium, Total	160	J	mg/kg	176	2.78	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.76	0.278	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Vanadium, Total	23.2		mg/kg	0.882	0.179	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD
Zinc, Total	311		mg/kg	4.41	0.258	2	11/08/21 20:03	11/10/21 11:05	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-02

Date Collected: 11/05/21 09:00

Client ID: SB2 (0-2')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5020		mg/kg	8.71	2.35	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Antimony, Total	1.41	J	mg/kg	4.35	0.331	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Arsenic, Total	7.65		mg/kg	0.871	0.181	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Barium, Total	785		mg/kg	0.871	0.152	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Beryllium, Total	0.305	J	mg/kg	0.435	0.029	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Cadmium, Total	1.41		mg/kg	0.871	0.085	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Calcium, Total	32600		mg/kg	8.71	3.05	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Chromium, Total	15.0		mg/kg	0.871	0.084	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Cobalt, Total	4.88		mg/kg	1.74	0.144	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Copper, Total	49.5		mg/kg	0.871	0.225	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Iron, Total	18000		mg/kg	4.35	0.786	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Lead, Total	1180		mg/kg	4.35	0.233	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Magnesium, Total	4540		mg/kg	8.71	1.34	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Manganese, Total	518		mg/kg	0.871	0.138	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Mercury, Total	2.53		mg/kg	0.085	0.056	1	11/08/21 20:45	11/09/21 10:59	EPA 7471B	1,7471B	AC
Nickel, Total	11.2		mg/kg	2.18	0.211	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Potassium, Total	735		mg/kg	218	12.5	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Selenium, Total	0.549	J	mg/kg	1.74	0.225	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Silver, Total	0.261	J	mg/kg	0.871	0.246	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Sodium, Total	195		mg/kg	174	2.74	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.74	0.274	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Vanadium, Total	26.0		mg/kg	0.871	0.177	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD
Zinc, Total	1520		mg/kg	4.35	0.255	2	11/08/21 20:03	11/10/21 11:10	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-03

Date Collected: 11/05/21 09:45

Client ID: SB3 (6-8')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	11500		mg/kg	50.2	13.5	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	25.1	1.91	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Arsenic, Total	4.16	J	mg/kg	5.02	1.04	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Barium, Total	87.7		mg/kg	5.02	0.873	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Beryllium, Total	0.803	J	mg/kg	2.51	0.166	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Cadmium, Total	ND		mg/kg	5.02	0.492	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Calcium, Total	1250		mg/kg	50.2	17.6	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Chromium, Total	13.2		mg/kg	5.02	0.482	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Cobalt, Total	6.92	J	mg/kg	10.0	0.833	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Copper, Total	5.77		mg/kg	5.02	1.29	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Iron, Total	17800		mg/kg	25.1	4.53	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Lead, Total	9.43	J	mg/kg	25.1	1.34	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Magnesium, Total	2210		mg/kg	50.2	7.73	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Manganese, Total	724		mg/kg	5.02	0.798	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.102	0.066	1	11/08/21 20:45	11/09/21 11:02	EPA 7471B	1,7471B	AC
Nickel, Total	10.8	J	mg/kg	12.5	1.21	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Potassium, Total	481	J	mg/kg	1250	72.3	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	10.0	1.29	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	5.02	1.42	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Sodium, Total	67.9	J	mg/kg	1000	15.8	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	10.0	1.58	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Vanadium, Total	19.2		mg/kg	5.02	1.02	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD
Zinc, Total	30.4		mg/kg	25.1	1.47	10	11/08/21 20:03	11/10/21 12:16	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-04

Date Collected: 11/05/21 11:38

Client ID: SB4 (6-8')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5580		mg/kg	8.50	2.29	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.25	0.323	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Arsenic, Total	1.42		mg/kg	0.850	0.177	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Barium, Total	41.3		mg/kg	0.850	0.148	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Beryllium, Total	0.357	J	mg/kg	0.425	0.028	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Cadmium, Total	0.331	J	mg/kg	0.850	0.083	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Calcium, Total	1110		mg/kg	8.50	2.97	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Chromium, Total	19.9		mg/kg	0.850	0.082	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Cobalt, Total	7.35		mg/kg	1.70	0.141	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Copper, Total	14.6		mg/kg	0.850	0.219	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Iron, Total	20600		mg/kg	4.25	0.767	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Lead, Total	6.13		mg/kg	4.25	0.228	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Magnesium, Total	2630		mg/kg	8.50	1.31	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Manganese, Total	176		mg/kg	0.850	0.135	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.084	0.055	1	11/08/21 20:45	11/09/21 11:06	EPA 7471B	1,7471B	AC
Nickel, Total	12.9		mg/kg	2.12	0.206	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Potassium, Total	1150		mg/kg	212	12.2	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.70	0.219	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.850	0.240	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Sodium, Total	167	J	mg/kg	170	2.68	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Vanadium, Total	29.9		mg/kg	0.850	0.172	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD
Zinc, Total	216		mg/kg	4.25	0.249	2	11/08/21 20:03	11/10/21 11:19	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-05

Date Collected: 11/05/21 10:15

Client ID: SB5 (11-13')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7210		mg/kg	9.58	2.58	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Antimony, Total	1.18	J	mg/kg	4.79	0.364	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Arsenic, Total	7.15		mg/kg	0.958	0.199	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Barium, Total	73.2		mg/kg	0.958	0.167	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Beryllium, Total	0.402	J	mg/kg	0.479	0.032	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Cadmium, Total	0.929	J	mg/kg	0.958	0.094	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Calcium, Total	8460		mg/kg	9.58	3.35	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Chromium, Total	12.9		mg/kg	0.958	0.092	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Cobalt, Total	6.33		mg/kg	1.92	0.159	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Copper, Total	16.8		mg/kg	0.958	0.247	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Iron, Total	26700		mg/kg	4.79	0.865	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Lead, Total	87.1		mg/kg	4.79	0.257	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Magnesium, Total	2080		mg/kg	9.58	1.47	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Manganese, Total	864		mg/kg	0.958	0.152	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Mercury, Total	0.128		mg/kg	0.099	0.065	1	11/08/21 20:45	11/09/21 11:09	EPA 7471B	1,7471B	AC
Nickel, Total	11.5		mg/kg	2.39	0.232	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Potassium, Total	451		mg/kg	239	13.8	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Selenium, Total	0.584	J	mg/kg	1.92	0.247	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.958	0.271	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Sodium, Total	168	J	mg/kg	192	3.02	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Thallium, Total	0.718	J	mg/kg	1.92	0.302	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Vanadium, Total	24.8		mg/kg	0.958	0.194	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD
Zinc, Total	130		mg/kg	4.79	0.281	2	11/08/21 20:03	11/10/21 11:57	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-06

Date Collected: 11/05/21 11:02

Client ID: SB6 (3-5')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6950		mg/kg	8.58	2.32	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.29	0.326	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Arsenic, Total	2.95		mg/kg	0.858	0.178	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Barium, Total	37.9		mg/kg	0.858	0.149	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Beryllium, Total	0.386	J	mg/kg	0.429	0.028	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Cadmium, Total	0.283	J	mg/kg	0.858	0.084	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Calcium, Total	951		mg/kg	8.58	3.00	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Chromium, Total	15.4		mg/kg	0.858	0.082	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Cobalt, Total	8.31		mg/kg	1.72	0.142	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Copper, Total	12.7		mg/kg	0.858	0.221	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Iron, Total	17800		mg/kg	4.29	0.774	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Lead, Total	14.4		mg/kg	4.29	0.230	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Magnesium, Total	1960		mg/kg	8.58	1.32	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Manganese, Total	311		mg/kg	0.858	0.136	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.088	0.057	1	11/08/21 20:45	11/09/21 11:12	EPA 7471B	1,7471B	AC
Nickel, Total	12.0		mg/kg	2.14	0.208	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Potassium, Total	855		mg/kg	214	12.3	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.72	0.221	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.858	0.243	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Sodium, Total	45.2	J	mg/kg	172	2.70	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.72	0.270	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Vanadium, Total	25.9		mg/kg	0.858	0.174	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD
Zinc, Total	36.7		mg/kg	4.29	0.251	2	11/08/21 20:03	11/10/21 12:02	EPA 3050B	1,6010D	GD



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-07

Date Collected: 11/05/21 13:00

Client ID: SB8 (5-7')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3990		mg/kg	8.99	2.43	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Antimony, Total	1.56	J	mg/kg	4.49	0.342	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Arsenic, Total	31.1		mg/kg	0.899	0.187	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Barium, Total	92.4		mg/kg	0.899	0.156	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Beryllium, Total	0.800		mg/kg	0.449	0.030	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Cadmium, Total	3.18		mg/kg	0.899	0.088	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Calcium, Total	5560		mg/kg	8.99	3.15	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Chromium, Total	15.8		mg/kg	0.899	0.086	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Cobalt, Total	46.1		mg/kg	1.80	0.149	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Copper, Total	110		mg/kg	0.899	0.232	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Iron, Total	65400		mg/kg	22.5	4.06	10	11/08/21 20:03	11/10/21 14:02	EPA 3050B	1,6010D	GD
Lead, Total	106		mg/kg	4.49	0.241	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Magnesium, Total	2790		mg/kg	8.99	1.38	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Manganese, Total	196		mg/kg	0.899	0.143	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Mercury, Total	0.114		mg/kg	0.085	0.055	1	11/08/21 20:45	11/09/21 11:16	EPA 7471B	1,7471B	AC
Nickel, Total	67.1		mg/kg	2.25	0.218	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Potassium, Total	840		mg/kg	225	12.9	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Selenium, Total	2.98		mg/kg	1.80	0.232	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.899	0.254	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Sodium, Total	370		mg/kg	180	2.83	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Thallium, Total	0.368	J	mg/kg	1.80	0.283	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Vanadium, Total	41.4		mg/kg	0.899	0.182	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD
Zinc, Total	364		mg/kg	4.49	0.263	2	11/08/21 20:03	11/10/21 12:06	EPA 3050B	1,6010D	GD





Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-08

Date Collected: 11/05/21 13:16

Client ID: SB8 (18-20')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

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
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	7970		mg/kg	8.67	2.34	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.33	0.329	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Arsenic, Total	1.64		mg/kg	0.867	0.180	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Barium, Total	58.8		mg/kg	0.867	0.151	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Beryllium, Total	0.529		mg/kg	0.433	0.029	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Cadmium, Total	0.381	J	mg/kg	0.867	0.085	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Calcium, Total	1130		mg/kg	8.67	3.03	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Chromium, Total	21.6		mg/kg	0.867	0.083	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Cobalt, Total	9.00		mg/kg	1.73	0.144	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Copper, Total	18.6		mg/kg	0.867	0.224	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Iron, Total	22200		mg/kg	4.33	0.783	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Lead, Total	5.11		mg/kg	4.33	0.232	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Magnesium, Total	3450		mg/kg	8.67	1.34	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Manganese, Total	212		mg/kg	0.867	0.138	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Mercury, Total	ND		mg/kg	0.087	0.057	1	11/08/21 20:45	11/09/21 11:19	EPA 7471B	1,7471B	AC
Nickel, Total	20.1		mg/kg	2.17	0.210	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Potassium, Total	2130		mg/kg	217	12.5	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.73	0.224	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.867	0.245	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Sodium, Total	65.0	J	mg/kg	173	2.73	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.73	0.273	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Vanadium, Total	32.5		mg/kg	0.867	0.176	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD
Zinc, Total	39.4		mg/kg	4.33	0.254	2	11/08/21 20:03	11/10/21 12:11	EPA 3050B	1,6010D	GD



**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1568535-1</b>									
Aluminum, Total	ND	mg/kg	4.00	1.08	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Antimony, Total	ND	mg/kg	2.00	0.152	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Arsenic, Total	ND	mg/kg	0.400	0.083	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Barium, Total	ND	mg/kg	0.400	0.070	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Beryllium, Total	ND	mg/kg	0.200	0.013	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Cadmium, Total	ND	mg/kg	0.400	0.039	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Calcium, Total	ND	mg/kg	4.00	1.40	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Chromium, Total	ND	mg/kg	0.400	0.038	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Cobalt, Total	ND	mg/kg	0.800	0.066	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Copper, Total	ND	mg/kg	0.400	0.103	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Iron, Total	ND	mg/kg	2.00	0.361	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Lead, Total	ND	mg/kg	2.00	0.107	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Magnesium, Total	ND	mg/kg	4.00	0.616	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Manganese, Total	ND	mg/kg	0.400	0.064	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Nickel, Total	ND	mg/kg	1.00	0.097	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Potassium, Total	ND	mg/kg	100	5.76	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Selenium, Total	ND	mg/kg	0.800	0.103	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Silver, Total	ND	mg/kg	0.400	0.113	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Sodium, Total	ND	mg/kg	80.0	1.26	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Thallium, Total	ND	mg/kg	0.800	0.126	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Vanadium, Total	ND	mg/kg	0.400	0.081	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD
Zinc, Total	ND	mg/kg	2.00	0.117	1	11/08/21 20:03	11/10/21 10:10	1,6010D	GD

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1568537-1</b>									
Mercury, Total	ND	mg/kg	0.083	0.054	1	11/08/21 20:45	11/09/21 10:29	1,7471B	AC



**Project Name:** 43 FRANKLIN AVE

**Lab Number:** L2161093

**Project Number:** 0200894

**Report Date:** 11/12/21

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1568535-2 SRM Lot Number: D109-540								
Aluminum, Total	68		-		50-150	-		
Antimony, Total	130		-		19-250	-		
Arsenic, Total	101		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	96		-		75-125	-		
Cadmium, Total	97		-		75-125	-		
Calcium, Total	94		-		73-128	-		
Chromium, Total	95		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	93		-		75-125	-		
Iron, Total	93		-		35-165	-		
Lead, Total	95		-		72-128	-		
Magnesium, Total	86		-		62-138	-		
Manganese, Total	92		-		74-126	-		
Nickel, Total	97		-		70-130	-		
Potassium, Total	81		-		59-141	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	99		-		68-131	-		
Sodium, Total	91		-		35-165	-		
Thallium, Total	97		-		68-131	-		
Vanadium, Total	94		-		59-141	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 43 FRANKLIN AVE

**Project Number:** 0200894

**Lab Number:** L2161093

**Report Date:** 11/12/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1568535-2 SRM Lot Number: D109-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1568537-2 SRM Lot Number: D109-540					
Mercury, Total	103	-	60-140	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Lab Number:** L2161093  
**Report Date:** 11/12/21

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: WG1568535-3    QC Sample: L2160977-01    Client ID: MS Sample												
Aluminum, Total	3840	179	4900	591	Q	-	-		75-125	-		20
Antimony, Total	20.8	44.8	61.5	91		-	-		75-125	-		20
Arsenic, Total	6.15	10.8	14.1	74	Q	-	-		75-125	-		20
Barium, Total	74.4	179	206	73	Q	-	-		75-125	-		20
Beryllium, Total	0.237	4.48	3.34	69	Q	-	-		75-125	-		20
Cadmium, Total	0.824	4.75	4.16	70	Q	-	-		75-125	-		20
Calcium, Total	9810	896	5770	0	Q	-	-		75-125	-		20
Chromium, Total	6.52	17.9	18.9	69	Q	-	-		75-125	-		20
Cobalt, Total	3.61	44.8	32.6	65	Q	-	-		75-125	-		20
Copper, Total	129	22.4	100	0	Q	-	-		75-125	-		20
Iron, Total	10500	89.6	11300	893	Q	-	-		75-125	-		20
Lead, Total	1550	47.5	1590	84		-	-		75-125	-		20
Magnesium, Total	5130	896	2900	0	Q	-	-		75-125	-		20
Manganese, Total	207	44.8	243	80		-	-		75-125	-		20
Nickel, Total	8.93	44.8	37.2	63	Q	-	-		75-125	-		20
Potassium, Total	262	896	928	74	Q	-	-		75-125	-		20
Selenium, Total	0.294J	10.8	8.02	74	Q	-	-		75-125	-		20
Silver, Total	ND	26.9	20.6	77		-	-		75-125	-		20
Sodium, Total	236	896	914	76		-	-		75-125	-		20
Thallium, Total	ND	10.8	6.14	57	Q	-	-		75-125	-		20
Vanadium, Total	11.7	44.8	43.1	70	Q	-	-		75-125	-		20

**Matrix Spike Analysis**  
Batch Quality Control

Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

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: WG1568535-3 QC Sample: L2160977-01 Client ID: MS Sample									
Zinc, Total	282	44.8	369	194	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1568537-3 QC Sample: L2160977-01 Client ID: MS Sample									
Mercury, Total	0.167	0.186	0.316	80	-	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1568535-4 QC Sample: L2160977-01 Client ID: DUP Sample						
Aluminum, Total	3840	4070	mg/kg	6		20
Antimony, Total	20.8	6.04	mg/kg	110	Q	20
Arsenic, Total	6.15	3.97	mg/kg	43	Q	20
Barium, Total	74.4	64.0	mg/kg	15		20
Beryllium, Total	0.237	0.252	mg/kg	6		20
Cadmium, Total	0.824	0.656	mg/kg	23	Q	20
Chromium, Total	6.52	6.73	mg/kg	3		20
Cobalt, Total	3.61	3.55	mg/kg	2		20
Copper, Total	129	112	mg/kg	14		20
Lead, Total	1550	558	mg/kg	94	Q	20
Manganese, Total	207	171	mg/kg	19		20
Nickel, Total	8.93	8.04	mg/kg	10		20
Selenium, Total	0.294J	0.278J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	11.7	12.6	mg/kg	7		20
Zinc, Total	282	212	mg/kg	28	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1568537-4 QC Sample: L2160977-01 Client ID: DUP Sample						
Mercury, Total	0.167	0.119	mg/kg	34	Q	20



Project Name: 43 FRANKLIN AVE

Project Number: 0200894

**Lab Serial Dilution  
Analysis  
Batch Quality Control**

Lab Number: L2161093

Report Date: 11/12/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1568535-6 QC Sample: L2160977-01 Client ID: DUP Sample						
Aluminum, Total	3840	4430	mg/kg	15		20
Barium, Total	74.4	86.8	mg/kg	17		20
Copper, Total	129	150	mg/kg	16		20
Lead, Total	1550	2030	mg/kg	31	Q	20
Manganese, Total	207	248	mg/kg	20		20
Vanadium, Total	11.7	14.4	mg/kg	23	Q	20
Zinc, Total	282	371	mg/kg	32	Q	20

# **INORGANICS & MISCELLANEOUS**

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-01

Client ID: SB1 (0-2')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 08:00

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-02

Client ID: SB2 (0-2')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:00

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.2		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



**Project Name:** 43 FRANKLIN AVE**Project Number:** 0200894**Lab Number:** L2161093**Report Date:** 11/12/21**SAMPLE RESULTS**

Lab ID: L2161093-03

Client ID: SB3 (6-8')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 09:45

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	77.0		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



Project Name: 43 FRANKLIN AVE

Lab Number: L2161093

Project Number: 0200894

Report Date: 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-04

Date Collected: 11/05/21 11:38

Client ID: SB4 (6-8')

Date Received: 11/05/21

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	90.3		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-05

Client ID: SB5 (11-13')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 10:15

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-06

Client ID: SB6 (3-5')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 11:02

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	88.4		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI





Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

**SAMPLE RESULTS**

Lab ID: L2161093-07

Client ID: SB8 (5-7')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:00

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.8		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

## SAMPLE RESULTS

Lab ID: L2161093-08

Client ID: SB8 (18-20')

Sample Location: 43 FRANKLIN AVENUE, BROOKLYN, NY

Date Collected: 11/05/21 13:16

Date Received: 11/05/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	11/06/21 11:25	121,2540G	RI



## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 43 FRANKLIN AVE

Project Number: 0200894

Lab Number: L2161093

Report Date: 11/12/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1568017-1 QC Sample: L2160730-01 Client ID: DUP Sample						
Solids, Total	88.2	88.1	%	0		20

**Project Name:** 43 FRANKLIN AVE  
**Project Number:** 0200894

**Serial\_No:**11122115:57  
**Lab Number:** L2161093  
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**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2161093-01A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-01B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-01C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-01D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2161093-01F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-02A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-02B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-02C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-02D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2161093-02F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-03A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-03B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-03C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-03D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)

\*Values in parentheses indicate holding time in days



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**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2161093-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2161093-03F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-04A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-04B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-04C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-04D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2161093-04F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-05A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-05B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-05C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-05D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	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),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2161093-05F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-06A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-06B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-06C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-06D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	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),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2161093-06F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-07A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-07B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-07C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-07D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2161093-07F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)
L2161093-08A	Vial MeOH preserved	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2161093-08B	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-08C	Vial water preserved	A	NA		3.2	Y	Absent	06-NOV-21 04:46	NYTCL-8260HLW(14)
L2161093-08D	Plastic 120ml unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2161093-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.2	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),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2161093-08F	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8270(14)

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**Report Date:** 11/12/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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#### Footnotes

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

#### Terms

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

**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'.

**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.

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.)

**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 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.

**Report Format:** DU Report with 'J' Qualifiers





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**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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**Lab Number:** L2161093  
**Report Date:** 11/12/21

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

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

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



## Certification Information

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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, NO<sub>2</sub>, NO<sub>3</sub>.

### 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

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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, SM4500CI-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, **LCHAT 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**

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

<b>NEW YORK CHAIN OF CUSTODY</b>		<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab: 11/5/21 11/8/21 <i>du water</i>			ALPHA Job # L 2161093											
		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		<b>Project Information</b> Project Name: <u>43 Franklin Ave</u> Project Location: <u>43 Franklin Avenue, Brooklyn, NY</u> Project # <u>0200894</u> (Use Project name as Project #) <input type="checkbox"/>			<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQuS (1 File) <input type="checkbox"/> EQuS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #									
<b>Client Information</b> Client: <u>Haley &amp; Aldrich of New York</u> Address: <u>237 West 35th Street</u> <u>Floor 16, New York, NY</u> Phone: Fax: Email: <u>ESnead@haleyaldrich.com</u>		<b>Project Manager:</b> <u>Emily Snead</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input checked="" type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge			<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:													
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Please specify Metals or TAL:						<b>ANALYSIS</b>			<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) Sample Specific Comments		Total Bottles									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date      Time		Sample Matrix	Sampler's Initials	TCL Volatiles	NYTCL Semivolatiles	Total TCL Metals										
61093-01		SB1 (0-2')		11-5-21 0800		S	ZS	X	X	X									6	
-02		SB2 (0-2')		11-5-21 0900		S	ZS	X	X	X									6	
-03		SB3 (0-8')		11-5-21 0945		S	ZS	X	X	X									6	
-04		SB4 (6-8')		11-5-21 1138		S	ZS	X	X	X									6	
-05		SB5 (11-13')		11-5-21 1015		S	ZS	X	X	X									6	
-06		SB6 (3-5')		11-5-21 1102		S	ZS	X	X	X									6	
-07		SB8 (5-7')		11-5-21 1300		S	ZS	X	X	X									6	
-08		SB8 (18-20')		11-5-21 1316		S	ZS	X	X	X									6	
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 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		V	A	A	F	A	A							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.)
		Relinquished By:		Date/Time		Received By:		Date/Time												
		Mark Linnell		11-5-21/1448		Paul Mazzella		11/5/21 1448												
		Paul Mazzella		11/5/21 1835		Paul Mazzella		11/5/21 1835												
		Paul Mazzella		11/5/21 2343		Paul Mazzella		11/5/21 2343												