17 November 2021
File No. 0203563

Via Electronic Mail

2864 Atlantic Realty LLC
C/O The Jay Group Inc.
ATTN: Jacob and Joel Kohn
40 Oser Avenue, Suite 4
Hauppauge, NY 11788

Attention: Mr. Jacob and Joel Kohn

RE: Limited Phase II Environmental Site Investigation Report
Speedway #7823
2864 Atlantic Avenue
Brooklyn, New York

Dear Mr. Jacob and Joel Kohn:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to 2864 Atlantic Realty LLC summarizing the results of the Limited Phase II Environmental Site Investigation (ESI) completed at the Former Speedway #7823 property located at 2864 Atlantic Avenue, Brooklyn, New York (the Site) between 02 and 03 November 2021.

BACKGROUND

The Site, identified as Block 3965, Lot 11 on the New York City tax map in a R8A/C2-4 zoning area, is currently occupied by an active retail petroleum station operated by Speedway and is approximately 18,111-square-feet in size. The Site is improved with two, one-story buildings utilized for storage and a convenience store. The buildings do not include a cellar level. The Site is bound to the north by Atlantic Avenue followed by several mixed-use commercial and residential buildings, to the east by Jerome Street followed by mixed-use buildings, to the south by two mid-rise multi-family residential buildings, and to the west by Barbey Street followed by an industrial/manufacturing building. The Site is located within an urban area characterized by low-rise commercial, industrial, and residential buildings. The Long Island Railroad (LIRR) subway line is located approximately 50 feet north of the Site under Atlantic Avenue.

The site is listed with an environmental E-Designation (E-366) for hazardous materials, noise (window wall attenuation and alternative means of ventilation), and air quality (HVAC limited to natural gas) resulting from a City Environmental Quality Review (CEQR) effective 20 April 2016 (CEQR # 15DCP102K). 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.

The proposed redevelopment will be residential with an affordable housing component which is anticipated to be pursuant to 421-a.

Based on a Phase I Environmental Site Assessment (ESA) completed by Haley & Aldrich for the Site in October 2021, the Site was partially developed in the late 1800s with two stores and one residential building. By the early 1950s, the Site was partially redeveloped with a garage and two gasoline tanks. By 1965, the entire Site was occupied by a filling station that was developed with an overhead canopy and a one-story office building. The Site remained unchanged since approximately 1965 and actively operates as a filling station.

The Phase I ESA identified three recognized environmental conditions (RECs) associated with the Site, including on-site petroleum contamination, historic Site use, and known contamination at an upgradient property. Regulatory records and previous reports identify the presence of petroleum-related contamination in groundwater at the Site associated with leaking underground storage tanks (USTs). The first petroleum-related impacts were reported in 1992; thereafter, investigative activities commenced in 1998 in response to the petroleum-impacted soil identified during a tank upgrade project. Since this time, additional spills have been reported, of which Spill Case 9830002 is still active, due to petroleum releases impacting soil, groundwater, and soil vapor at the subject site. In 2010, a soil vapor extraction (SVE) system was installed, and routine remedial/monitoring events (i.e., groundwater treatment, sampling, and gauging) commenced and continue, on a quarterly basis, to present-day.

Records for historic bulk petroleum storage (PBS No. 2-297747) at the Site include a total of 43 current/former USTs are listed in the database. A majority of these USTs, including thirty-one 550-gallon, three 2,000-gallon, and four 4,000-gallon, have been closed and removed. There are four 10,000-gallon and one 600-gallon USTs containing gasoline/ethanol currently in use at the Site

According to regulatory records, known contamination is present at a property located upgradient to the Site. This property, 2840 Atlantic Avenue, enrolled in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) in 2017. Investigations performed at the property revealed elevated concentrations of volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), and metals in groundwater and soil. Per- and polyfluoroalkyl substances were also detected in upgradient and downgradient monitoring wells on this property.

SUBSURFACE INVESTIGATION

Between 02 and 03 November 2021, Haley & Aldrich mobilized to the Site with Lakewood Environmental Services, Corp. (Lakewood) to perform the Limited Phase II ESI which included installation of 11 soil borings and two temporary soil vapor points using soft dig methods including hand tools (i.e., hand auger, digging pry bar, and a drill).

A Haley & Aldrich field personnel was on-site to document field observations and collect soil and soil vapor samples. Boring locations were chosen to assess the potential impacts from on-site sources and characterize subsurface conditions at the Site. The 11 soil borings were installed throughout the Site to 6 feet below ground surface (ft bgs) with the exception of B-7, installed to 2 ft bgs, and B-9 installed to 5 ft bgs. Terminal depths were shallower in B-7 and B-9 due to refusal encountered during the pre-clearing efforts. Two temporary soil vapor points, SV1 and SV2, were installed to a depth of approximately 1 to 2 ft bgs, located adjacent to B-8 and B-10, respectively.

Urban fill generally consisting of brown to dark brown, coarse to medium sand with varying amounts of glass, gravel, brick, asphalt, and silt was observed from surface grade to approximately 2 to 4 ft bgs in each soil boring. The urban fill layer was underlain by a potential native layer consisting of brown to

orange-brown coarse to fine sand with varying amounts of silt 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). PID readings of non-detect at 0.0 parts per million (ppm) to 20.1 ppm in B-10 surface soils (i.e., 0-2 ft bgs). Petroleum-like odors were also observed in B-10 from 0 to 2 ft bgs. No additional subsurface impacts were observed, including elevated PID readings above background levels, odors and staining. Soil borings logs are included in Attachment A. Groundwater was not encountered during the investigation; however, it is expected to be encountered at about 30 ft bgs.

One soil sample was collected from each soil boring. Soil samples were analyzed for VOCs, SVOCs, and total metals. 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 and soil vapor are provided in Tables 1-2, detections above regulatory criteria and/or guidance values are summarized in Figures 1-2, and laboratory analytical reports are provided in Attachment B.

Soil

Soil analytical results were compared to NYSDEC Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted-Residential Use Soil Cleanup Objectives (RRSCOs).

Multiple SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were identified in shallow soil samples exceeding both UUSCOs and RRSCOs. Seven SVOCs including benzo(a)anthracene (maximum concentration 56 milligrams per kilogram [mg/kg] in B-7 [0-2']), benzo(a)pyrene (maximum concentration 32 mg/kg in B-7 [0-2']), benzo(b)fluoranthene (maximum concentration 61 mg/kg in B-7 [0-2']), benzo(k)fluoranthene (maximum concentration 12 mg/kg in B-7 [0-2']), chrysene (maximum concentration 32 mg/kg in B-7 [0-2']), dibenzo(a,h)anthracene (maximum concentration 8.1 mg/kg in B-7 [0-2']), and indeno(1,2,3-cd)pyrene (maximum concentration 28 mg/kg in B-8 [0-2']) were identified above RRSCOs in multiple shallow soil samples. Additionally,3-Methylphenol/4-Methylphenol was detected in shallow soil sample B-7 (0-2') at a concentration of 0.52 mg/kg, exceeding UUSCO.

Three VOCs, acetone (maximum concentration of 0.06 mg/kg in B-08 [0-2']), total xylenes (maximum concentration of 0.3 mg/kg in B-10 [0-2']), and 2-butanone (maximum concentration of 0.17 mg/kg in B-10 [0-2']) were identified at concentrations above the UUSCO in one soil sample collected. Acetone was also detected in a second shallow soil sample (B-3 [0-2']) at the UUSCO.

Metals including lead (maximum concentration of 665 mg/kg in B-8 [0-2']) and mercury (maximum concentration of 1.24 mg/kg in B-8 [0-2']) were detected above RRSCOs, with copper (maximum concentration of 83.7 mg/kg in B-8 [0-2']) and zinc (maximum concentration of 276 mg/kg in B-8 [0-2']) identified above the UUSCOs.

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

Soil Vapor

Total VOC concentrations in soil vapor samples ranged from 83.044 micrograms per cubic meter (µg/m^3) in sample SV-1 to 18,546 µg/m^3 in SV-2. Total BTEX concentrations ranged between 5.664 µg/m^3 in SV-1 to 998.8 µg/m^3 in SV-2.

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. Tetrachloroethene (PCE) was detected in soil vapor sample SV-1 at a concentration of 34.2 µg/m^3, above the AGV of 30 µg/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 SV-1 at a concentration of 34.2 µg/m^3 and carbon tetrachloride was detected in soil vapor sample SV-1 at a concentration of 2.13 µg/m^3. Based on the soil vapor concentration of PCE and carbon tetrachloride in SV-1, 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 2 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 shallow urban fill, up to 6 feet bgs. Soil vapor is impacted with petroleum-related VOCs and chlorinated VOCs. Soil vapor identified PCE above the NYSDOH AGV in one soil vapor sample, and carbon tetrachloride was detected in one sample above method detection limits. Based on the soil vapor concentration of PCE and carbon tetrachloride in SV-1, the NYSDOH Decision Matrix actions range from “no further action” to “identify source(s), resample or mitigate” depending on indoor air concentrations. In addition, high total VOCs observed in soil vapor are indicative of source material contamination that was not identified at the limited sample locations that have been analyzed to date.

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

Mari Cate Conlon, P.G.
Project Manager

Attachments:
Figure 1-Sample Location Map
Figure 2-Map of Soil Chemistry
Figure 3-Map of Soil Vapor Chemistry
Table 1-Soil Analytical Results
Table 2-Soil Vapor Analytical Results
Attachment A-Soil Boring Logs
Attachment B-Laboratory Reports

FIGURES

LEGEND

- COMMUTER RAIL LINE
- BLOCK 3965 SITE BOUNDARY
- APPROXIMATE LOCATION OF UNDERGROUND STORAGE TANKS
- SOIL BORING AND SOIL SAMPLE LOCATION
- SOIL VAPOR SAMPLE LOCATION

NOTES

1. ALL LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
2. ASSESSOR PARCEL DATA SOURCE: KINGS COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 12 AUGUST 2021

SPEEDWAY SPECIFIC NOTES

1. GPR SURVEY PERFORMED BY GPRS, INC. ON 11 OCTOBER 2021.
2. ALL DRILLING AND INTRUSIVE WAS CONDUCTED IN ACCORDANCE WITH TO "ENVIRONMENTAL PRE-CLEARING AND DRILLING STANDARD" PROVIDED BY SPEEDWAY DATED 07 JULY 2021.
3. PRIMARY UTILITY CONNECTIONS ARE FROM THE STORAGE SHED TO THE KIOSK.
4. SANITARY SEWER, ROOF DRAINAGE LINES, AND PRODUCT LINES WERE NOT IDENTIFIED AND/OR MARKED OUT DURING THE GPR SURVEY.

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HALEY ALDRICH

LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION
SPEEDWAY #7823
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

SAMPLE LOCATION MAP

NOVEMBER 2021

FIGURE 1

GIS: C:\Users\khensen\OneDrive - haleyaldrich.com\Desktop\KH_LOCAL\Phase_I\Former_Speedway_#7823\GIS\Maps\2021_09\000000_000_0002_SITE_PLAN.mxd - khensen - 9/9/2021 6:48:56 AM

B-9 (3-5')- 11/3/2021	
Benzo(a)anthracene	17
Benzo(a)pyrene	15
Benzo(b)fluoranthene	18
Benzo(k)fluoranthene	5.4
Chrysene	17
Dibenzo(a,h)anthracene	2.7
Indeno(1,2,3-cd)pyrene	11
Lead, Total	120
Mercury, Total	0.197

B-3 (0-2')- 11/2/2021	
Acetone	0.05

B-10 (0-2')- 11/2/2021	
Lead, Total	110
Mercury, Total	0.203
Zinc, Total	169
Acetone	0.067
Xylenes, Total	0.3
2-Butanone	0.17

B-11 (0-2')- 11/3/2021	
Benzo(a)anthracene	2
Benzo(a)pyrene	1.5
Benzo(b)fluoranthene	2
Chrysene	2.2
Indeno(1,2,3-cd)pyrene	0.91
Lead, Total	194
Mercury, Total	0.205
Zinc, Total	123

B-4 (5-6')- 11/2/2021	
Benzo(a)anthracene	2.3
Benzo(a)pyrene	2.1
Benzo(b)fluoranthene	1.8
Chrysene	2.3
Indeno(1,2,3-cd)pyrene	0.82

B-8 (0-2')- 11/2/2021	
Benzo(a)anthracene	2.6
Benzo(a)pyrene	2.5
Benzo(b)fluoranthene	2.9
Benzo(k)fluoranthene	0.98
Chrysene	3.3
Dibenzo(a,h)anthracene	0.42
Indeno(1,2,3-cd)pyrene	1.7
Copper, Total	83.7
Lead, Total	665
Mercury, Total	1.24
Zinc, Total	276
Acetone	0.06

B-7 (0-2')- 11/3/2021	
Benzo(a)anthracene	56
Benzo(a)pyrene	32
Benzo(b)fluoranthene	61
Benzo(k)fluoranthene	12
Chrysene	32
Dibenzo(a,h)anthracene	8.1
Indeno(1,2,3-cd)pyrene	28
3-Methylphenol/4-Methylphenol	0.52
Lead, Total	416
Mercury, Total	0.234
Zinc, Total	173

B-2 (1-3')- 11/2/2021	
Benzo(a)anthracene	1.8
Benzo(a)pyrene	1.7
Benzo(b)fluoranthene	2.1
Chrysene	1.9
Indeno(1,2,3-cd)pyrene	1.1
Lead, Total	190
Mercury, Total	0.266

B-1 (0-2')- 11/2/2021	
Lead, Total	77.4
Mercury, Total	0.207

B-6 (1-3')- 11/2/2021	
Benzo(b)fluoranthene	1
Lead, Total	70.1

B-5 (0-2')- 11/2/2021	
Mercury, Total	0.696

B-11
B-10
SV-2
B-4
B-9
B-3
LOT: 11
B-5
B-8
SV-1
B-7
B-2
B-6
B-1
ATLANTIC AVE
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LEGEND

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NYCRR Part 375 Unrestricted and Restricted-Residential SCOs			
Analyte	Units	NY RestResi SCO	NY UnrestResi SCO
Benzo(a)anthracene	mg/kg	1	1
Benzo(a)pyrene	mg/kg	1	1
Benzo(b)fluoranthene	mg/kg	1	1
Benzo(k)fluoranthene	mg/kg	3.9	0.8
Chrysene	mg/kg	3.9	1
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5
3-Methylphenol/4-Methylphenol	mg/kg	100	0.33
Copper, Total	mg/kg	270	50
Lead, Total	mg/kg	400	63
Mercury, Total	mg/kg	0.81	0.18
Zinc, Total	mg/kg	10000	109
Acetone	mg/kg	100	0.05
Xylenes, Total	mg/kg	100	0.26
2-Butanone	mg/kg	100	0.12

NOTES

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SCALE IN FEET

HALEY ALDRICH

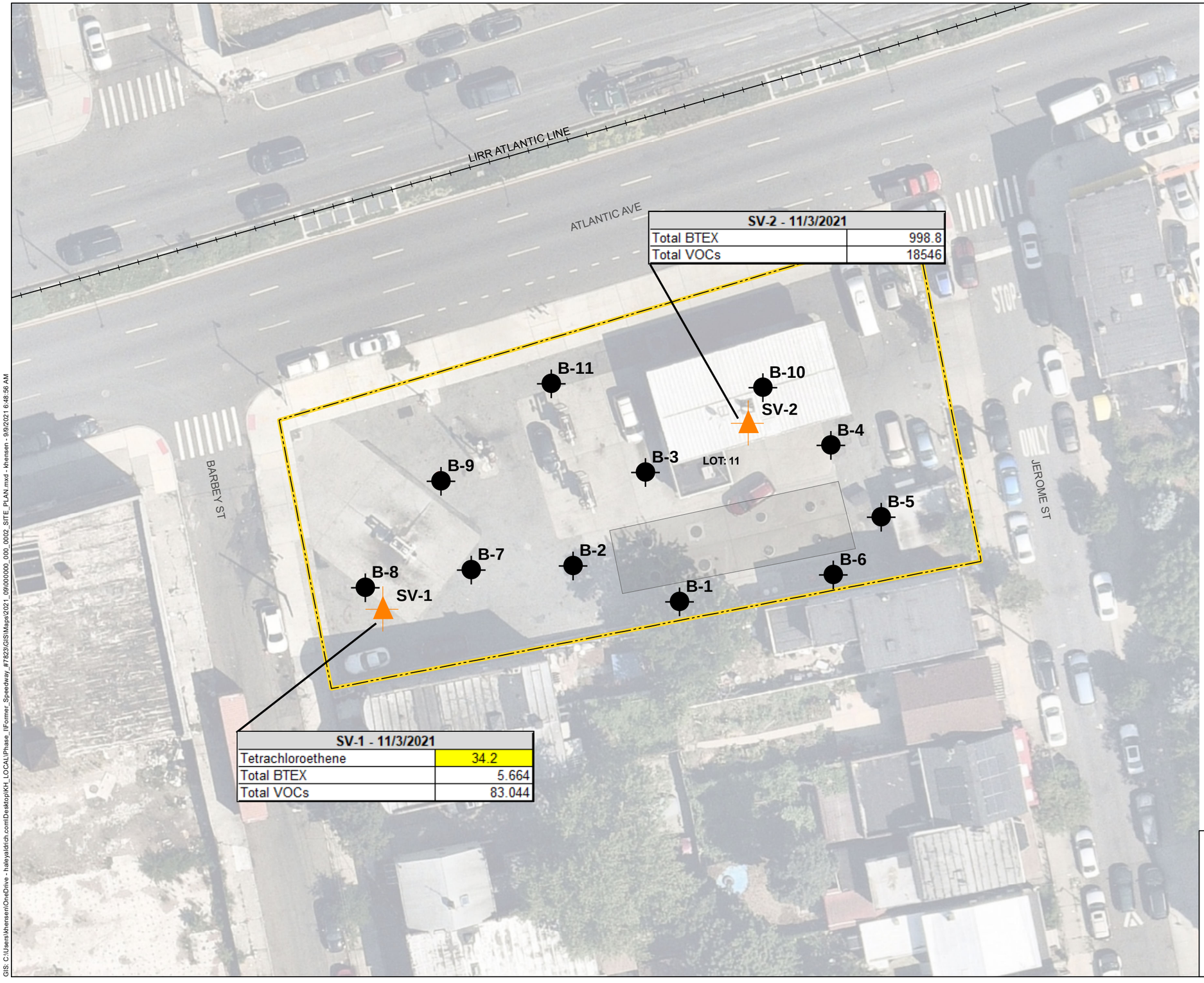
LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION
SPEEDWAY #7823
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

SOIL CHEMISTRY MAP

NOVEMBER 2021

FIGURE 2

GIS: C:\Users\khensen\OneDrive - haleyaldrich.com\Desktop\KH_LOCAL\Phase_II\Former_Speedway_#7823\GIS\Maps\2021_09\000000_000_0002_SITE_PLAN.mxd - khensen - 9/6/2021 6:48:56 AM



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NYSDOH AGV	
Tetrachloroethene	30 ug/m3

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LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION
SPEEDWAY #7823
2864 ATLANTIC AVENUE
BROOKLYN, NEW YORK

SOIL VAPOR CHEMISTRY MAP

NOVEMBER 2021

FIGURE 3

TABLES

Table 1. Soil Analytical Results
2864 Atlantic Avenue, Brooklyn, NY

LOCATION				B-1 (0-2')		B-10 (0-2')		B-11 (0-2')		B-2 (1-3')		B-3 (0-2')		B-4 (5-6')		B-5 (0-2')		B-6 (1-3')		B-7 (0-2')		B-8 (0-2')		B-9 (3-5')	
SAMPLING DATE				11/2/2021		11/2/2021		11/3/2021		11/2/2021		11/2/2021		11/2/2021		11/2/2021		11/2/2021		11/3/2021		11/2/2021		11/3/2021	
LAB SAMPLE ID				L2160059-01		L2160059-08		L2160326-03		L2160059-02		L2160059-03		L2160059-04		L2160059-05		L2160059-06		L2160326-01		L2160059-07		L2160326-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	NY-RESRE	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																									
Solids, Total			%	92.4		90.2		89.2		93		91.3		91.8		92.8		93.4		92.5		87		92.4	
Semivolatile Organic Compounds																									
1,2,4,5-Tetrachlorobenzene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
1,2,4-Trichlorobenzene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
1,2-Dichlorobenzene	100	1.1	mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
1,3-Dichlorobenzene	49	2.4	mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
1,4-Dichlorobenzene	13	1.8	mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
1,4-Dioxane	13	0.1	mg/kg	0.027	U	0.027	U	0.14	U	0.026	U	0.027	U	0.027	U	0.026	U	0.026	U	0.13	U	0.028	U	0.13	U
2,4,5-Trichlorophenol			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2,4,6-Trichlorophenol			mg/kg	0.11	U	0.11	U	0.55	U	0.1	U	0.11	U	0.11	U	0.1	U	0.1	U	0.53	U	0.11	U	0.53	U
2,4-Dichlorophenol			mg/kg	0.16	U	0.16	U	0.83	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.8	U	0.17	U	0.8	U
2,4-Dimethylphenol			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2,4-Dinitrophenol			mg/kg	0.85	U	0.87	U	4.4	U	0.84	U	0.87	U	0.87	U	0.85	U	0.84	U	4.3	U	0.91	U	4.2	U
2,4-Dinitrotoluene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2,6-Dinitrotoluene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2-Chloronaphthalene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2-Chlorophenol			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2-Methylnaphthalene			mg/kg	0.025	J	0.06	J	1.1	U	0.052	J	0.22	U	0.22	U	0.022	J	0.21	U	1.4		0.028	J	1.7	
2-Methylphenol	100	0.33	mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2-Nitroaniline			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
2-Nitrophenol			mg/kg	0.38	U	0.39	U	2	U	0.38	U	0.39	U	0.39	U	0.38	U	0.38	U	1.9	U	0.41	U	1.9	U
3,3'-Dichlorobenzidine			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
3-Methylphenol/4-Methylphenol	100	0.33	mg/kg	0.26	U	0.26	U	1.3	U	0.25	U	0.26	U	0.26	U	0.25	U	0.25	U	0.52	J	0.27	U	1.3	U
3-Nitroaniline			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
4,6-Dinitro-o-cresol			mg/kg	0.46	U	0.47	U	2.4	U	0.46	U	0.47	U	0.47	U	0.46	U	0.45	U	2.3	U	0.49	U	2.3	U
4-Bromophenyl phenyl ether			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
4-Chloroaniline			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
4-Chlorophenyl phenyl ether			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
4-Nitroaniline			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
4-Nitrophenol			mg/kg	0.25	U	0.25	U	1.3	U	0.24	U	0.25	U	0.25	U	0.25	U	0.24	U	1.2	U	0.26	U	1.2	U
Acenaphthene	100	20	mg/kg	0.11	J	0.022	J	0.14	J	0.2		0.14	U	0.072	J	0.14	U	0.076	J	5.1		0.099	J	3.5	
Acenaphthylene	100	100	mg/kg	0.039	J	0.11	J	0.74	U	0.11	J	0.03	J	0.042	J	0.033	J	0.039	J	9		0.096	J	0.76	
Acetophenone			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Anthracene	100	100	mg/kg	0.26		0.12		0.47	J	0.44		0.039	J	0.44		0.04	J	0.22		19		0.32		7.6	
Benzo(a)anthracene	1	1	mg/kg	0.87		0.46		2		1.8		0.26		2.3		0.19		0.84		56		2.6		17	
Benzo(a)pyrene	1	1	mg/kg	0.73		0.49		1.5		1.7		0.26		2.1		0.2		0.77		32		2.5		15	
Benzo(b)fluoranthene	1	1	mg/kg	0.89		0.58		2		2.1		0.33		1.8		0.27		1		61		2.9		18	
Benzo(ghi)perylene	100	100	mg/kg	0.43		0.48		0.9		0.99		0.26		0.76		0.14		0.35		25		1.7		11	
Benzo(k)fluoranthene	3.9	0.8	mg/kg	0.3		0.21		0.51	J	0.76		0.12		0.66		0.099	J	0.37		12		0.98		5.4	
Benzoic Acid			mg/kg	0.58	U	0.59	U	3	U	0.57	U	0.59	U	0.59	U	0.57	U	0.56	U	2.9	U	0.61	U	2.9	U
Benzyl Alcohol			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Biphenyl			mg/kg	0.4	U	0.41	U	2.1	U	0.4	U	0.41	U	0.41	U	0.4	U	0.4	U	0.43	U	0.4	J	0.39	J
Bis(2-chloroethoxy)methane			mg/kg	0.19	U	0.2	U	0.99	U	0.19	U	0.2	U	0.2	U	0.19	U	0.19	U	0.96	U	0.2	U	0.96	U
Bis(2-chloroethyl)ether			mg/kg	0.16	U	0.16	U	0.83	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.8	U	0.17	U	0.8	U
Bis(2-chloroisopropyl)ether			mg/kg	0.21	U	0.22	U	1.1	U	0.21	U	0.22	U	0.22	U	0.21	U	0.21	U	1.1	U	0.23	U	1.1	U
Bis(2-ethylhexyl)phthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.073	J	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Butyl benzyl phthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Carbazole			mg/kg	0	J	0.024	J	0.16	J	0.16	J	0.18	U	0.024	J	0.021	J	0.064	J	4.9		0.09	J	2.7	
Chrysene	3.9	1	mg/kg	0.91		0.53		2.2		1.9		0.28		2.3		0.21		0.85		32		3.3		17	
Di-n-butylphthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Di-n-octylphthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Dibenzo(a,h)anthracene	0.33	0.33	mg/kg	0.12		0.1	J	0.21	J	0.27		0.054	J	0.26		0.034	J	0.09	J	8.1		0.48		2.7	
Dibenzofuran	59	7	mg/kg	0.018	J	0.18	U	0.92	U	0.081	J	0.18	U	0.18	U	0.18	U	0.032	J	2.6		0.032	J	2.2	
Diethyl phthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Dimethyl phthalate			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Fluoranthene	100	100	mg/kg	1.7		0.61		3.8		3.5		0.32		2.2		0.32		1.7		84		3.3		32	
Fluorene	100	30	mg/kg	0.092	J	0.028	J	0.18	J	0.16	J	0.18	U	0.057	J	0.18	U	0.061	J	5.7		0.06	J	3.6	
Hexachlorobenzene	1.2	0.33	mg/kg	0.11	U	0.11	U	0.55	U	0.1	U	0.11	U	0.11	U	0.1	U	0.1	U	0.53	U	0.11	U	0.53	U
Hexachlorobutadiene			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Hexachlorocyclopentadiene			mg/kg	0.51	U	0.52	U	2.6	U	0.5	U	0.52	U	0.52	U	0.5	U	0.5	U	2.5	U	0.54	U	2.5	U
Hexachloroethane			mg/kg	0.14	U	0.14	U	0.74	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.71	U	0.15	U	0.71	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg	0.45		0.41		0.91		1.1		0.2		0.82		0.14		0.41		28		1.7		11	
Isophorone			mg/kg	0.16	U	0.16	U	0.83	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.8	U	0.17	U	0.8	U
n-Nitrosodi-n-propylamine			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Naphthalene	100	12	mg/kg	0.029	J	0.098	J	0.92	U	0.061	J	0.18	U	0.18	U	0.18	U	0.028	J	1.5		0.049	J	3.5	
NDPA/DPA			mg/kg	0.14	U	0.14	U	0.74	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.71	U	0.15	U	0.71	U
Nitrobenzene			mg/kg	0.16	U	0.16	U	0.83	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.8	U	0.17	U	0.8	U
p-Chloro-m-cresol			mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.89	U	0.19	U	0.88	U
Pentachlorophenol	6.7	0.8	mg/kg	0.14	U	0.14	U	0.74	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.71	U	0.15	U	0.71	U
Phenanthrene	100	100	mg/kg	1.4		0.48		2.8		2.3		0.15		1.4		0.18		0.97		67		1.7		32	
Phenol	100	0.33	mg/kg	0.18	U	0.18	U	0.92	U	0.18	U	0.18	U	0.18	U	0.18	U	0.17	U	0.2	J	0.19	U	0.88	U
Pyrene	100	100	mg/kg	1.8		0.81		3.8		3.6		0.38		4.1		0.35		1.5		88		4.2		32	
Total Metals																									
Aluminum, Total			mg/kg	6120		6650		5480		4850		4250		3970		4460		5310		5700		4870		4110	
Antimony, Total			mg/kg	4.1	U	0.511	J	0.373	J	0.356	J	0.464	J	4.1	U	4.18	U	4.17	U	0.606	J	1.74	J	4.29	U
Arsenic, Total	16	13	mg/kg	2.76		3.99		4.3		3.12		2.03		2.47		2.95		3.14		5.61		8.29		7.35	
Barium, Total	400	350	mg/kg	34		45.8		54.1		57		20.6		24.9		33.8		40.4		154		321		57.6	
Beryllium, Total	72	7.2	mg/kg	0.27	J	0.315	J	0.271	J	0.223	J	0.199	J	0.131	J	0.209	J	0.242	J	0.429		0.304	J	0.232	J
Cadmium, Total	4.3	2.5	mg/kg	0.532	J	0.852	U	1.24		0.744	J	0.473	J	0.492	J	0.459	J	0.534	J	1.1		0.894	U	0.507	J
Calcium, Total			mg/kg	14400		15400		30200		30800		14000		79400		19000		26500		29400		30600		39700	
Chromium, Total			mg/kg	10.8		12.5		12.6		13.2		10.9		6.13		11.1		10.9		16.3		11.8		16.6	
Cobalt, Total			mg/kg	5		4.18		4.05		3.87		3.65		5.06		4.24		3.89		4.02		4.52		3.24	
Copper, Total	270	50	mg/kg	17		25.8		27.9		26.3		19.9		18.1		19		17.6		38.6		83.7		42.3	
Iron, Total			mg/kg	11600		14100		13700		12400		10200		12400		11100		11900		14000		15800		9720	
Lead, Total	400	63	mg/kg	77.4		110		194		190		54.6		35		54.3		70.1		416		985		120	
Magnesium, Total			mg/kg	4850		3180		8630		15300		2880		33200		9410		11800		9690		9050		17200	
Manganese, Total	2000	1600	mg/kg	228		205		246		181		185		206		176		180		223		179		179	
Mercury, Total	0.81	0.18	mg/kg	0.207		0.203		0.205		0.266		0.159		0.115		0.696		0.117		0.234		1.24		0.197	
Nickel, Total	310	30	mg/kg	7.86		7.97		15		10		8.4		6.58		7.91		8.48		11.7		12.4		11.6	
Potassium, Total			mg/kg	349		538		356		327		317		264		384		345		651		432		458	
Selenium, Total	180	3.9	mg/kg	0.344	J	1.7	U	0.254	J	0.744	J	0.232	J	0.525	J	0.635	J	0.684	J	0.455	J	0.402	J	0.438	J
Silver, Total	180	2	mg/kg	0.819	U	0.852	U	0.847	U	0.827	U	0.829	U	0.821	U	0.835	U	0.834	U	0.842	U	0.894	U	0.859	U
Sodium, Total			mg/kg	326		336		206		346		124	J	366		142	J	200		322		366		289	
Thallium, Total			mg/kg	1.64	U	1.7	U	1.69	U	1.65	U	1.66	U	1.64	U	1.67	U	1.67	U	1.68	U	1.79	U	1.72	U
Vanadium, Total			mg/kg	17.3		17.8		22.6		20.7		13.9		24.6		26.3		19.4		19.3		18.8		19.7	
Zinc, Total	10000	109	mg/kg	62.1		169		123		90.4		88.3		43.6		47.4		57.5		173		276		99.9	

Table 1. Soil Analytical Results
2864 Atlantic Avenue, Brooklyn, NY

LOCATION				B-1 (0-2')		B-10 (0-2')		B-11 (0-2')		B-2 (1-3')		B-3 (0-2')		B-4 (5-6')		B-5 (0-2')		B-6 (1-3')		B-7 (0-2')		B-8 (0-2')		B-9 (3-5')	
SAMPLING DATE				11/2/2021		11/2/2021		11/3/2021		11/2/2021		11/2/2021		11/2/2021		11/2/2021		11/2/2021		11/3/2021		11/2/2021		11/3/2021	
LAB SAMPLE ID				L2160059-01		L2160059-08		L2160326-03		L2160059-02		L2160059-03		L2160059-04		L2160059-05		L2160059-06		L2160326-01		L2160059-07		L2160326-02	
SAMPLE TYPE				SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	NY-RESRR	NY-UNRES	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds																									
1,1,1,2-Tetrachloroethane			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
1,1,1-Trichloroethane	100	0.68	mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
1,1,2,2-Tetrachloroethane			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
1,1,2-Trichloroethane			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,1-Dichloroethane	26	0.27	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,1-Dichloroethene	100	0.33	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,1-Dichloropropene			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
1,2,3-Trichlorobenzene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,2,3-Trichloropropane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,2,4,5-Tetramethylbenzene			mg/kg	0.0021	U	0.13		0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,2,4-Trichlorobenzene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,2,4-Trimethylbenzene	52	3.6	mg/kg	0.0021	U	0.49		0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.00037	J
1,2-Dibromo-3-chloropropane			mg/kg	0.0032	U	0.19	U	0.0033	U	0.0029	U	0.0029	U	0.0028	U	0.003	U	0.0028	U	0.0029	U	0.0041	U	0.0032	U
1,2-Dibromoethane			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,2-Dichlorobenzene	100	1.1	mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,2-Dichloroethane	3.1	0.02	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,2-Dichloroethene, Total			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,2-Dichloropropane			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
1,3,5-Trimethylbenzene	52	8.4	mg/kg	0.0021	U	0.22		0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,3-Dichlorobenzene	49	2.4	mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,3-Dichloropropane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,3-Dichloropropene, Total			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
1,4-Dichlorobenzene	13	1.8	mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
1,4-Dioxane	13	0.1	mg/kg	0.085	U	5.1	U	0.089	U	0.076	U	0.076	U	0.076	U	0.079	U	0.075	U	0.077	U	0.11	U	0.085	U
2,2-Dichloropropane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
2-Butanone	100	0.12	mg/kg	0.011	U	0.17	J	0.011	U	0.0096	U	0.0045	J	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.0063	J	0.011	U
2-Hexanone			mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.0096	U	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.014	U	0.011	U
4-Methyl-2-pentanone			mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.0096	U	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.014	U	0.011	U
Acetone	100	0.05	mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.05		0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.06		0.011	U
Acrylonitrile			mg/kg	0.0042	U	0.25	U	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.0054	U	0.0043	U
Benzene	4.8	0.06	mg/kg	0.00053	U	0.02	J	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Bromobenzene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Bromochloromethane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Bromodichloromethane			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Bromoform			mg/kg	0.0042	U	0.25	U	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.0054	U	0.0043	U
Bromomethane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Carbon disulfide			mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.0096	U	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.014	U	0.011	U
Carbon tetrachloride	2.4	0.76	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.00098	J	0.0011	U
Chlorobenzene	100	1.1	mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Chloroethane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Chloroform	49	0.37	mg/kg	0.0016	U	0.095	U	0.0017	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0014	U	0.0014	U	0.00029	J	0.0016	U
Chloromethane			mg/kg	0.0042	U	0.25	U	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.0054	U	0.0043	U
cis-1,2-Dichloroethene	100	0.25	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
cis-1,3-Dichloropropene			mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Dibromochloromethane			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Dibromomethane			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Dichlorodifluoromethane			mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.0096	U	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.014	U	0.011	U
Ethyl ether			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Ethylbenzene	41	1	mg/kg	0.0011	U	0.032	J	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Hexachlorobutadiene			mg/kg	0.0042	U	0.25	U	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.0054	U	0.0043	U
Isopropylbenzene			mg/kg	0.0011	U	0.0097	J	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Methyl tert butyl ether	100	0.93	mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Methylene chloride	100	0.05	mg/kg	0.00053	U	0.32	U	0.0055	U	0.0048	U	0.0048	U	0.0047	U	0.005	U	0.0047	U	0.0048	U	0.0068	U	0.0053	U
n-Butylbenzene	100	12	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
n-Propylbenzene	100	3.9	mg/kg	0.0011	U	0.03	J	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Naphthalene	100	12	mg/kg	0.0042	U	0.11	J	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.01		0.0054	U	0.0058	
o-Chlorotoluene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
o-Xylene			mg/kg	0.0011	U	0.12		0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
p-Chlorotoluene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
p-Diethylbenzene			mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
p-Ethyltoluene			mg/kg	0.0021	U	0.14		0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
p-Isopropyltoluene			mg/kg	0.0011	U	0.0094	J	0.0011	U	0.0002	J	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
p/m-Xylene			mg/kg	0.0021	U	0.18		0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
sec-Butylbenzene	100	11	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Styrene			mg/kg	0.0011	U	0.043	J	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
tert-Butylbenzene	100	5.9	mg/kg	0.0021	U	0.13	U	0.0022	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0019	U	0.0019	U	0.0027	U	0.0021	U
Tetrachloroethene	19	1.3	mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Toluene	100	0.7	mg/kg	0.0011	U	0.15		0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
trans-1,2-Dichloroethene	100	0.19	mg/kg	0.0016	U	0.095	U	0.0017	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0014	U	0.0014	U	0.002	U	0.0016	U
trans-1,3-Dichloropropene			mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
trans-1,4-Dichloro-2-butene			mg/kg	0.0053	U	0.32	U	0.0055	U	0.0048	U	0.0048	U	0.0047	U	0.005	U	0.0047	U	0.0048	U	0.0068	U	0.0053	U
Trichloroethene	21	0.47	mg/kg	0.00053	U	0.032	U	0.00055	U	0.00048	U	0.00048	U	0.00047	U	0.0005	U	0.00047	U	0.00048	U	0.00068	U	0.00053	U
Trichlorofluoromethane			mg/kg	0.0042	U	0.25	U	0.0044	U	0.0038	U	0.0038	U	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.0054	U	0.0043	U
Vinyl acetate			mg/kg	0.011	U	0.63	U	0.011	U	0.0096	U	0.0096	U	0.0095	U	0.0099	U	0.0094	U	0.0096	U	0.014	U	0.011	U
Vinyl chloride	0.9	0.02	mg/kg	0.0011	U	0.063	U	0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U
Xylenes, Total	100	0.26	mg/kg	0.0011	U	0.3		0.0011	U	0.00096	U	0.00096	U	0.00095	U	0.00099	U	0.00094	U	0.00096	U	0.0014	U	0.0011	U

Notes:
Yellow shaded results exceed Unrestricted SCOs
Red shaded results exceed both Unrestricted and Restricted Residential SCOs
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
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" in the PDF lab report. The re-analysis or re-extraction result is shown in the table.
L2160059-08: The VOC sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported in the PDF lab report. The table above shows the re-run Low Level result for VOCs.

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 greater than or equal to the reporting limit (RL); the value shown in the table is the RL

Table 2. Soil Vapor Analytical Results
2864 Atlantic Avenue, Brooklyn, NY

LOCATION						SV-1		SV-2	
SAMPLING DATE						11/3/2021		11/3/2021	
LAB SAMPLE ID						L2160258-01		L2160258-02	
SAMPLE TYPE						SOIL VAPOR		SOIL VAPOR	
	NYSDOH AGVs	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	Results	Qual	Results	Qual
Volatile Organics in Air									
Dichlorodifluoromethane					ug/m3	2.54		52.9	U
Chloromethane					ug/m3	0.413	U	22.1	U
Freon-114					ug/m3	1.4	U	74.8	U
Vinyl chloride				6	ug/m3	0.511	U	27.4	U
1,3-Butadiene					ug/m3	0.442	U	23.7	U
Bromomethane					ug/m3	0.777	U	41.5	U
Chloroethane					ug/m3	0.528	U	28.2	U
Ethanol					ug/m3	9.42	U	503	U
Vinyl bromide					ug/m3	0.874	U	46.8	U
Acetone					ug/m3	5.11		127	U
Trichlorofluoromethane					ug/m3	1.89		60.1	U
Isopropanol					ug/m3	2.13		65.6	U
1,1-Dichloroethene		6			ug/m3	0.793	U	42.4	U
Tertiary butyl Alcohol					ug/m3	1.52	U	80.9	U
Methylene chloride	60		100		ug/m3	1.74	U	92.8	U
3-Chloropropene					ug/m3	0.626	U	33.5	U
Carbon disulfide					ug/m3	3.09		33.3	U
Freon-113					ug/m3	1.53	U	82	U
trans-1,2-Dichloroethene					ug/m3	0.793	U	42.4	U
1,1-Dichloroethane					ug/m3	0.809	U	43.3	U
Methyl tert butyl ether					ug/m3	0.721	U	38.6	U
2-Butanone					ug/m3	1.47	U	78.7	U
cis-1,2-Dichloroethene		6			ug/m3	0.793	U	42.4	U
Ethyl Acetate					ug/m3	1.8	U	96.2	U
Chloroform					ug/m3	12.6		52.3	U
Tetrahydrofuran					ug/m3	1.47	U	78.7	U
1,2-Dichloroethane					ug/m3	0.809	U	43.3	U
n-Hexane					ug/m3	5.71		430	
1,1,1-Trichloroethane			100		ug/m3	1.09	U	58.4	U
Benzene					ug/m3	0.984		49.2	
Carbon tetrachloride		6			ug/m3	2.13		67.3	U
Cyclohexane					ug/m3	2.09		472	
1,2-Dichloropropane					ug/m3	0.924	U	49.5	U
Bromodichloromethane					ug/m3	1.34	U	71.7	U
1,4-Dioxane					ug/m3	0.721	U	38.6	U
Trichloroethene	2	6			ug/m3	1.07	U	57.5	U
2,2,4-Trimethylpentane					ug/m3	1.89		15200	
Heptane					ug/m3	2.86		598	
cis-1,3-Dichloropropene					ug/m3	0.908	U	48.6	U
4-Methyl-2-pentanone					ug/m3	2.05	U	109	U
trans-1,3-Dichloropropene					ug/m3	0.908	U	48.6	U
1,1,2-Trichloroethane					ug/m3	1.09	U	58.4	U
Toluene					ug/m3	2.52		188	
2-Hexanone					ug/m3	0.82	U	43.9	U
Dibromochloromethane					ug/m3	1.7	U	91.2	U
1,2-Dibromoethane					ug/m3	1.54	U	82.2	U
Tetrachloroethene	30		100		ug/m3	34.2		72.6	U
Chlorobenzene					ug/m3	0.921	U	49.3	U
Ethylbenzene					ug/m3	0.869	U	52.6	
p/m-Xylene					ug/m3	2.16		397	
Bromoform					ug/m3	2.07	U	111	U
Styrene					ug/m3	0.852	U	45.6	U
1,1,2,2-Tetrachloroethane					ug/m3	1.37	U	73.5	U
o-Xylene					ug/m3	0.869	U	312	
4-Ethyltoluene					ug/m3	0.983	U	77.2	
1,3,5-Trimethylbenzene					ug/m3	0.983	U	457	
1,2,4-Trimethylbenzene					ug/m3	1.14		313	
Benzyl chloride					ug/m3	1.04	U	55.4	U
1,3-Dichlorobenzene					ug/m3	1.2	U	64.3	U
1,4-Dichlorobenzene					ug/m3	1.2	U	64.3	U
1,2-Dichlorobenzene					ug/m3	1.2	U	64.3	U
1,2,4-Trichlorobenzene					ug/m3	1.48	U	79.4	U
Hexachlorobutadiene					ug/m3	2.13	U	114	U
Total BTEX					ug/m3	5.664		998.8	
Total VOCs					ug/m3	83.044		18546	

Notes:

Yellow shaded results exceed one of 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.
BTEX: Benzene, toluene, ethylbenzene, total xylenes

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.

ATTACHMENT A

SOIL BORING LOGS

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-1

Page 1 of 1

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type

☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud

☐ Bentonite ☐ Polymer ☐ None

Casing Advance

Type Method Depth: Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					2-3" Asphalt
		0.0			
		0.0			Brown to dark brown medium silty SAND, some fine to coarse gravel, asphalt and brick pieces, loose, no odor, dry
		0.0			**FILL**
		0.0			
		0.0	B-1(0-2')	0-2'	
		0.0			
2		0.0			Brown to light brown medium silty SAND, some fine gravel, no odor, dry, root pieces at 2'
		0.0			**FILL**
		0.0			
		0.0			
3		0.0			
		0.0			
		0.0			
4		0.0			Brown to orange brown fine to medium SAND, some fine gravel, no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
6		0.0			
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-1

***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. B-2

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ Safety ☐ Bentonite

☐ ATV ☐ Geoprobe ☐ Winch ☐ Doughnut ☐ Polymer

☐ Track ☐ Air Track ☐ Roller Bit ☐ Automatic ☐ None

☐ Skid ☐ Other ☐ Cutting Head

Hammer Type / **Drilling Mud** / **Casing Advance**: Type Method Depth — Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					2-3" Asphalt
		0.0			Dark brown to brown medium to coarse silty SAND and fine gravel, brick asphalt and glass pieces, no odor, dry
		0.0			**FILL**
		0.0			
		0.0			
		0.0	B-2(1-3')	1-3'	
		0.0			
2		0.0			Brown to orange brown medium silty SAND with rounded fine gravel, mps 2", trace brick pieces, no odor, dry
		0.0			
		0.0			
3		0.0			
		0.0			
		0.0			
		0.0			
4		0.0			Orange brown medium silty SAND, no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
6		0.0			
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-2

***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. B-3

Page 1 of 1

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					4-5" Concrete
		0.0			
		0.0			
		0.0			
1.5		0.0	B-3 (0-2')	0-2'	Brown to orange brown medium to coarse silty SAND, some fine gravel, mps 1", no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
3		0.0			
		0.0			
		0.0			
4		0.0			Brown to orange brown medium to coarse silty SAND, some fine rounded gravel, mps 1", no odor, dry
		0.0			
		0.0			
5		0.0			SAA, very wet, possibly perched GW
		0.0			
		0.0			
		0.0			
6					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-3

***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. B-4

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 420M

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance — Type Method Depth: Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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 brown medium to coarse SAND, break and asphalt pieces, dry
		0.0			
1		0.0			Brown to light brown medium silty SAND, some gravel and boulders, mps 2.5", no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
3		0.0			SAA, more coarse sand
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0			SAA, some gravel, moist
		0.0	B-4 (5-6')	5-6'	
6		0.0			
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-4

***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. B-5

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type

☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud

☐ Bentonite ☐ Polymer ☐ None

Casing Advance

Type Method Depth: Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					Asphalt 2-3"
		0.0			Brown to dark brown medium to coarse silty SAND with gravel, asphalt, brick, and glass pieces, no odor, dry
		0.0			
		0.0			
		0.0	B-5 (0-2')	0-2'	
		0.0			
		0.0			
2		0.0			Brown to light brown medium silty SAND, some gravel, mps 1.25", no odor, dry
		0.0			
		0.0			
		0.0			
3		0.0			
		0.0			
		0.0			Moist @ 3.5', possibly trace clay
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0			Light brown to orange brown medium SAND, some coarse sand and gravel, mps 0.75", no odor, dry
		0.0			
		0.0			Large stones encountered, mps 2"
6					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-5

***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. B-6

Page 1 of 1

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type

☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud

☐ Bentonite ☐ Polymer ☐ None

Casing Advance

Type Method Depth: Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					2-3" Asphalt
		0.0			
		0.0			Brown to dark brown medium silty SAND, some fine gravel, mps 1.0", asphalt and brick pieces, loose, no odor, dry
		0.0			**FILL**
1		0.0			
		0.0			
		0.0	B-6 (1-3')	1-3'	
		0.0			
2		0.0			Brown to light brown medium silty SAND, some coarse sand, trace clay, no odor, dry
		0.0			**FILL**
		0.0			
3		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
5		0.0			Brown to orange brown fine to medium SAND, trace silt, no odor, dry, native appearing
		0.0			
		0.0			
6		0.0			
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-6

***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. B-7

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/3/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/3/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type

☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud

☐ Bentonite ☐ Polymer ☐ None

Casing Advance

Type Method Depth

Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					Asphalt 2-3"
		0.0			
		0.0			Brown to dark brown fine to coarse silty SAND, some coarse gravel mps 1.5", brick and metal pieces, no odor, dry
		0.0	B-7 (0-2')	0-2'	**FILL**
		0.0			
		0.0			Brick layer at 1.5'
		0.0			
2		0.0			
					PRE-CLEARED TO 2 FT DUE TO REFUSAL
3					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	2
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-7

***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. B-8

Page 1 of 1

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					
		0.3			Dark brown to gray fine to coarse silty SAND, some gravel mps 0.75", loose, slight petroleum odor, dry
		0.2			
		0.1			
1		0.0			
		0.0	B8 (0-2')	0-2'	
		0.0			
2		0.0			Brown to orange brown medium SAND, trace silt, some coarse sand and fine, no odor, dry
		0.0			
		0.0			
		0.0			
3		0.0			SAA
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
6					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-8

***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. B-9

Page 1 of 1

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/3/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/3/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type

☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud

☐ Bentonite ☐ Polymer ☐ None

Casing Advance

Type Method Depth: Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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			2-3" Asphalt
		0.0			
		0.0			Dark brown to brown fine to medium silty SAND, some coarse sand, large cobbles mps 3", brick and asphalt pieces, no oder, dry
		0.0			**FILL**
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
3		0.0			SAA, more asphalt pieces and cobbles
		0.0			**FILL**
		0.0			
		0.0	B9 (3-5')	3-5'	
		0.0			
		0.0			
5		0.0			
					PRE-CLEARED TO 5 FT
6					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Summary

Overburden (Linear ft.)	5
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-9

***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. B-10

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/2/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/2/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					Concrete 4-5"
		6.7			
		20.1	B-10 (0-2')	0-2'	Brown to dark brown to gray medium to coarse silty SAND, some fine gravel and small stones mps 1.5"
1.5		3.1			petroleum-like odor, dry
		0.0			**FILL**
		0.0			
		0.0			
2		0.0			
		0.0			
		0.0			
		0.0			
3		0.0			Brown to dark brown medium silty SAND, some fine sand, brick and glass pieces, no odor, dry
		0.0			**FILL**
		0.0			
4		0.0			Gray to dark gray sandy lean CLAY, moderately stiff, organic odor, moist, low to moderate plasticity
		0.0			
		0.0			
5		0.0			Brown to orange brown medium SAND, trace silt, no odor, dry
		0.0			
		0.0			
6					
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-10

***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. B-11

PROJECT	Limited Phase II ESI - 2864 Atlantic Avenue		
LOCATION	2864 Atlantic Avenue, Brooklyn, NY	**PROJECT MGR.**	E.Snead
CLIENT	The Jay Group Inc.	**FIELD REP.**	Z.Simmel
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	11/3/2021
DRILLER	T. Kelly	**DATE FINISHED**	11/3/2021

Elevation ft. **Datum** **Boring Location** See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)			
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ Other ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth — Hand Auger

Drilling Notes:

Depth (ft.)	Recovery (ft)	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					2" Asphalt
		0.0			3" Concrete
		0.0	B-11 (0-2')	0-2'	Brown to dark brown fine to medium silty SAND with fine gravel, mps 0.25" brick pieces, dry, no odor
		0.0			**FILL**
1		0.0			Orange brown medium to coarse silty SAND, some fine gravel trace brick pieces, dry, no odor
		0.0			**FILL**
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
3		0.0			Brown to orange brown medium to coarse SAND with fine to coarse gravel, trace silt, mps 2", no odor, dry
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			
		0.0			SAA
		0.0			
		0.0			
6		0.0			
					PRE-CLEARED TO 6 FT

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
Date					

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Summary

Overburden (Linear ft.)	6
Rock Cored (Linear ft.)	-
Number of Samples	1

BORING NO. B-11

***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.

ATTACHMENT B

LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2160059
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Emily Snead
Phone:	() -
Project Name:	2864 ATLANTIC AVE
Project Number:	0203563
Report Date:	11/10/21

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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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2160059-01	B-1 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 07:45	11/02/21
L2160059-02	B-2 (1-3')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 12:16	11/02/21
L2160059-03	B-3 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 12:55	11/02/21
L2160059-04	B-4 (5-6')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 10:20	11/02/21
L2160059-05	B-5 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 09:15	11/02/21
L2160059-06	B-6 (1-3')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 08:30	11/02/21
L2160059-07	B-8 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 13:45	11/02/21
L2160059-08	B-10 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/02/21 11:30	11/02/21

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160059
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Case Narrative

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

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

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

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

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

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

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Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

L2160059-08: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Semivolatile Organics

L2160059-03: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (9%) and 2,4,6-tribromophenol (3%); however, re-extraction achieved similar results: 2-fluorophenol (7%) and 2,4,6-tribromophenol (2%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

L2160059-07: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (6%) and 2,4,6-tribromophenol (1%); however, re-extraction achieved similar results: 2-fluorophenol (7%) and 2,4,6-tribromophenol (1%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

L2160059-08: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (7%) and 2,4,6-tribromophenol (2%); however, re-extraction achieved similar results: 2-fluorophenol (6%) and 2,4,6-tribromophenol (1%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

The WG1566899-2/-3 LCS/LCSD recoveries, associated with L2160059-07RE, -07, -08, and -08RE, are

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Case Narrative (continued)

below the acceptance criteria for benzoic acid (2%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The surrogate recoveries for the WG1566899-2 LCS, associated with L2160059-07RE, -07, -08RE, and -08, are outside the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%). The LCS spike compounds are within overall method allowances; therefore, no further action was taken.
The WG1567377-2/-3 LCS/LCSD recoveries, associated with L2160059-01, -02, -04, -05, and -06, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.
The WG1568843-2/-3 LCS/LCSD recoveries, associated with L2160059-03 and -03RE, are below the acceptance criteria for benzoic acid (4%/5%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals
L2160059-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1567767-3 MS recoveries for aluminum (0%), calcium (3980%), iron (0%), magnesium (1880%), and manganese (15%), performed on L2160059-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1567767-3 MS recoveries, performed on L2160059-01, are outside the acceptance criteria for antimony (68%), lead (27%) and zinc (50%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (79%), lead (70%) and zinc (72%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
The WG1567767-4 Laboratory Duplicate RPDs for calcium (78%), cobalt (28%), lead (33%), magnesium (26%), manganese (29%) and sodium (30%), performed on L2160059-01, are outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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Case Narrative (continued)

The WG1567767-6 serial dilution analysis, associated with L2160059-01, had a %D above the acceptance criteria for barium (21%), iron (22%), magnesium (28%) and manganese (22%).

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

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 11/10/21

ORGANICS

VOLATILES

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01
Client ID: B-1 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 07:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 20:31
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01 Date Collected: 11/02/21 07:45

Client ID: B-1 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01 Date Collected: 11/02/21 07:45

Client ID: B-1 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

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Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02
Client ID: B-2 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 12:16
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 20:56
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02 Date Collected: 11/02/21 12:16

Client ID: B-2 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	0.20	J	ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02 Date Collected: 11/02/21 12:16

Client ID: B-2 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03
Client ID: B-3 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 12:55
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 21:21
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 Date Collected: 11/02/21 12:55

Client ID: B-3 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	50		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	4.5	J	ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 Date Collected: 11/02/21 12:55

Client ID: B-3 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	75		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04
Client ID: B-4 (5-6')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 10:20
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 21:46
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	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: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04 Date Collected: 11/02/21 10:20

Client ID: B-4 (5-6') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04 Date Collected: 11/02/21 10:20

Client ID: B-4 (5-6') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	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	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05
Client ID: B-5 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 09:15
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 22:11
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05 Date Collected: 11/02/21 09:15

Client ID: B-5 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05 Date Collected: 11/02/21 09:15

Client ID: B-5 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	109		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06
Client ID: B-6 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 08:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 22:36
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06 Date Collected: 11/02/21 08:30

Client ID: B-6 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.47	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	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06 Date Collected: 11/02/21 08:30

Client ID: B-6 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07
Client ID: B-8 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 13:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 23:01
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.29	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	0.98	J	ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	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	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	60		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	6.3	J	ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	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	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
Acrylonitrile	ND		ug/kg	5.4	1.6	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	48.	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	6.8	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	82		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/21 23:26
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	320	140	1
1,1-Dichloroethane	ND		ug/kg	63	9.2	1
Chloroform	ND		ug/kg	95	8.9	1
Carbon tetrachloride	ND		ug/kg	63	14.	1
1,2-Dichloropropane	ND		ug/kg	63	7.9	1
Dibromochloromethane	ND		ug/kg	63	8.9	1
1,1,2-Trichloroethane	ND		ug/kg	63	17.	1
Tetrachloroethene	ND		ug/kg	32	12.	1
Chlorobenzene	ND		ug/kg	32	8.0	1
Trichlorofluoromethane	ND		ug/kg	250	44.	1
1,2-Dichloroethane	ND		ug/kg	63	16.	1
1,1,1-Trichloroethane	ND		ug/kg	32	10.	1
Bromodichloromethane	ND		ug/kg	32	6.9	1
trans-1,3-Dichloropropene	ND		ug/kg	63	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	32	10.	1
1,3-Dichloropropene, Total	ND		ug/kg	32	10.	1
1,1-Dichloropropene	ND		ug/kg	32	10.	1
Bromoform	ND		ug/kg	250	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	32	10.	1
Benzene	20	J	ug/kg	32	10.	1
Toluene	150		ug/kg	63	34.	1
Ethylbenzene	32	J	ug/kg	63	8.9	1
Chloromethane	ND		ug/kg	250	59.	1
Bromomethane	ND		ug/kg	130	37.	1
Vinyl chloride	ND		ug/kg	63	21.	1
Chloroethane	ND		ug/kg	130	29.	1
1,1-Dichloroethene	ND		ug/kg	63	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	95	8.7	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	ND		ug/kg	32	8.7	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.1	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.4	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	180		ug/kg	130	36.	1
o-Xylene	120		ug/kg	63	18.	1
Xylenes, Total	300		ug/kg	63	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	63	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	63	8.7	1
Dibromomethane	ND		ug/kg	130	15.	1
Styrene	43	J	ug/kg	63	12.	1
Dichlorodifluoromethane	ND		ug/kg	630	58.	1
Acetone	ND		ug/kg	630	300	1
Carbon disulfide	ND		ug/kg	630	290	1
2-Butanone	170	J	ug/kg	630	140	1
Vinyl acetate	ND		ug/kg	630	140	1
4-Methyl-2-pentanone	ND		ug/kg	630	81.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.0	1
2-Hexanone	ND		ug/kg	630	75.	1
Bromochloromethane	ND		ug/kg	130	13.	1
2,2-Dichloropropane	ND		ug/kg	130	13.	1
1,2-Dibromoethane	ND		ug/kg	63	18.	1
1,3-Dichloropropane	ND		ug/kg	130	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	32	8.4	1
Bromobenzene	ND		ug/kg	130	9.2	1
n-Butylbenzene	ND		ug/kg	63	10.	1
sec-Butylbenzene	ND		ug/kg	63	9.2	1
tert-Butylbenzene	ND		ug/kg	130	7.5	1
o-Chlorotoluene	ND		ug/kg	130	12.	1
p-Chlorotoluene	ND		ug/kg	130	6.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	63.	1
Hexachlorobutadiene	ND		ug/kg	250	11.	1
Isopropylbenzene	9.7	J	ug/kg	63	6.9	1
p-Isopropyltoluene	9.4	J	ug/kg	63	6.9	1
Naphthalene	110	J	ug/kg	250	41.	1
Acrylonitrile	ND		ug/kg	250	73.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	30	J	ug/kg	63	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	17.	1
1,3,5-Trimethylbenzene	220		ug/kg	130	12.	1
1,2,4-Trimethylbenzene	490		ug/kg	130	21.	1
1,4-Dioxane	ND		ug/kg	5100	2200	1
p-Diethylbenzene	ND		ug/kg	130	11.	1
p-Ethyltoluene	140		ug/kg	130	24.	1
1,2,4,5-Tetramethylbenzene	130		ug/kg	130	12.	1
Ethyl ether	ND		ug/kg	130	22.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	320	90.	1

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

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/09/21 12:03
Analyst: KJD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	0.20	J	ug/kg	0.54	0.18	1
Toluene	1.4		ug/kg	1.1	0.58	1
Ethylbenzene	0.72	J	ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	2.2		ug/kg	2.1	0.60	1
o-Xylene	1.8		ug/kg	1.1	0.31	1
Xylenes, Total	4.0		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	67		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	17		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	0.73	J	ug/kg	1.1	0.18	1
sec-Butylbenzene	0.49	J	ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	0.54	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.47	J	ug/kg	1.1	0.12	1
Naphthalene	4.0	J	ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC 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	1.5		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	14		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	28		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	18		ug/kg	2.1	0.19	1
p-Ethyltoluene	3.4		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	6.0		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	73		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1568512-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1568512-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.67	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1568512-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/21 07:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1569066-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/21 07:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1569066-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	0.66	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/09/21 07:03
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1569066-5					
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	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	103		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1569118-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1569118-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	33	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/21 15:54
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1569118-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1568512-3 WG1568512-4								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	111		108		70-130	3		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	100		102		70-130	2		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	111		108		70-130	3		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	86		83		70-139	4		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	111		106		70-130	5		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	113		113		70-130	0		30
cis-1,3-Dichloropropene	107		106		70-130	1		30
1,1-Dichloropropene	108		104		70-130	4		30
Bromoform	104		104		70-130	0		30
1,1,2,2-Tetrachloroethane	106		106		70-130	0		30
Benzene	101		100		70-130	1		30
Toluene	105		104		70-130	1		30
Ethylbenzene	107		106		70-130	1		30
Chloromethane	91		89		52-130	2		30
Bromomethane	100		97		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1568512-3 WG1568512-4								
Vinyl chloride	98		97		67-130	1		30
Chloroethane	101		99		50-151	2		30
1,1-Dichloroethene	101		97		65-135	4		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		100		70-130	5		30
1,2-Dichlorobenzene	106		106		70-130	0		30
1,3-Dichlorobenzene	109		107		70-130	2		30
1,4-Dichlorobenzene	106		107		70-130	1		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	110		108		70-130	2		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	95		95		70-130	0		30
Dichlorodifluoromethane	90		86		30-146	5		30
Acetone	101		100		54-140	1		30
Carbon disulfide	91		87		59-130	4		30
2-Butanone	98		101		70-130	3		30
Vinyl acetate	114		116		70-130	2		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	102		101		68-130	1		30
2-Hexanone	100		102		70-130	2		30
Bromochloromethane	97		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1568512-3 WG1568512-4								
2,2-Dichloropropane	111		107		70-130	4		30
1,2-Dibromoethane	105		108		70-130	3		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	114		114		70-130	0		30
Bromobenzene	105		102		70-130	3		30
n-Butylbenzene	117		113		70-130	3		30
sec-Butylbenzene	115		112		70-130	3		30
tert-Butylbenzene	114		110		70-130	4		30
o-Chlorotoluene	111		109		70-130	2		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	104		105		68-130	1		30
Hexachlorobutadiene	108		106		67-130	2		30
Isopropylbenzene	113		108		70-130	5		30
p-Isopropyltoluene	117		112		70-130	4		30
Naphthalene	104		106		70-130	2		30
Acrylonitrile	98		101		70-130	3		30
n-Propylbenzene	112		108		70-130	4		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	107		106		70-130	1		30
1,3,5-Trimethylbenzene	112		108		70-130	4		30
1,2,4-Trimethylbenzene	109		107		70-130	2		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	115		112		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1568512-3 WG1568512-4								
p-Ethyltoluene	112		107		70-130	5		30
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		30
Ethyl ether	96		97		67-130	1		30
trans-1,4-Dichloro-2-butene	110		111		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	107		103		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1569066-3 WG1569066-4								
Methylene chloride	85		86		70-130	1		30
1,1-Dichloroethane	94		92		70-130	2		30
Chloroform	93		90		70-130	3		30
Carbon tetrachloride	107		100		70-130	7		30
1,2-Dichloropropane	96		94		70-130	2		30
Dibromochloromethane	99		99		70-130	0		30
1,1,2-Trichloroethane	100		100		70-130	0		30
Tetrachloroethene	103		99		70-130	4		30
Chlorobenzene	104		100		70-130	4		30
Trichlorofluoromethane	84		90		70-139	7		30
1,2-Dichloroethane	97		95		70-130	2		30
1,1,1-Trichloroethane	105		100		70-130	5		30
Bromodichloromethane	103		101		70-130	2		30
trans-1,3-Dichloropropene	111		111		70-130	0		30
cis-1,3-Dichloropropene	106		102		70-130	4		30
1,1-Dichloropropene	102		96		70-130	6		30
Bromoform	100		107		70-130	7		30
1,1,2,2-Tetrachloroethane	101		109		70-130	8		30
Benzene	97		93		70-130	4		30
Toluene	100		97		70-130	3		30
Ethylbenzene	105		99		70-130	6		30
Chloromethane	80		82		52-130	2		30
Bromomethane	93		91		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1569066-3 WG1569066-4								
Vinyl chloride	86		86		67-130	0		30
Chloroethane	91		91		50-151	0		30
1,1-Dichloroethene	93		90		65-135	3		30
trans-1,2-Dichloroethene	94		90		70-130	4		30
Trichloroethene	100		94		70-130	6		30
1,2-Dichlorobenzene	105		103		70-130	2		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	105		103		70-130	2		30
Methyl tert butyl ether	93		98		66-130	5		30
p/m-Xylene	109		101		70-130	8		30
o-Xylene	109		100		70-130	9		30
cis-1,2-Dichloroethene	95		92		70-130	3		30
Dibromomethane	96		97		70-130	1		30
Styrene	96		89		70-130	8		30
Dichlorodifluoromethane	75		77		30-146	3		30
Acetone	82		102		54-140	22		30
Carbon disulfide	82		80		59-130	2		30
2-Butanone	89		104		70-130	16		30
Vinyl acetate	111		113		70-130	2		30
4-Methyl-2-pentanone	95		102		70-130	7		30
1,2,3-Trichloropropane	97		105		68-130	8		30
2-Hexanone	96		107		70-130	11		30
Bromochloromethane	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1569066-3 WG1569066-4								
2,2-Dichloropropane	106		99		70-130	7		30
1,2-Dibromoethane	104		105		70-130	1		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	108		109		70-130	1		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	112		107		70-130	5		30
sec-Butylbenzene	111		107		70-130	4		30
tert-Butylbenzene	109		104		70-130	5		30
o-Chlorotoluene	126		121		70-130	4		30
p-Chlorotoluene	108		104		70-130	4		30
1,2-Dibromo-3-chloropropane	104		110		68-130	6		30
Hexachlorobutadiene	105		98		67-130	7		30
Isopropylbenzene	108		104		70-130	4		30
p-Isopropyltoluene	113		107		70-130	5		30
Naphthalene	102		109		70-130	7		30
Acrylonitrile	91		100		70-130	9		30
n-Propylbenzene	108		103		70-130	5		30
1,2,3-Trichlorobenzene	102		101		70-130	1		30
1,2,4-Trichlorobenzene	106		105		70-130	1		30
1,3,5-Trimethylbenzene	108		104		70-130	4		30
1,2,4-Trimethylbenzene	106		102		70-130	4		30
1,4-Dioxane	93		101		65-136	8		30
p-Diethylbenzene	111		106		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1569066-3 WG1569066-4								
p-Ethyltoluene	108		103		70-130	5		30
1,2,4,5-Tetramethylbenzene	111		107		70-130	4		30
Ethyl ether	90		95		67-130	5		30
trans-1,4-Dichloro-2-butene	111		118		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	102		105		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1569118-3 WG1569118-4								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	111		108		70-130	3		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	100		102		70-130	2		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	111		108		70-130	3		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	86		83		70-139	4		30
1,2-Dichloroethane	97		98		70-130	1		30
1,1,1-Trichloroethane	111		106		70-130	5		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	113		113		70-130	0		30
cis-1,3-Dichloropropene	107		106		70-130	1		30
1,1-Dichloropropene	108		104		70-130	4		30
Bromoform	104		104		70-130	0		30
1,1,2,2-Tetrachloroethane	106		106		70-130	0		30
Benzene	101		100		70-130	1		30
Toluene	105		104		70-130	1		30
Ethylbenzene	107		106		70-130	1		30
Chloromethane	91		89		52-130	2		30
Bromomethane	100		97		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1569118-3 WG1569118-4								
Vinyl chloride	98		97		67-130	1		30
Chloroethane	101		99		50-151	2		30
1,1-Dichloroethene	101		97		65-135	4		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	105		100		70-130	5		30
1,2-Dichlorobenzene	106		106		70-130	0		30
1,3-Dichlorobenzene	109		107		70-130	2		30
1,4-Dichlorobenzene	106		107		70-130	1		30
Methyl tert butyl ether	96		98		66-130	2		30
p/m-Xylene	110		108		70-130	2		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	95		95		70-130	0		30
Dichlorodifluoromethane	90		86		30-146	5		30
Acetone	101		100		54-140	1		30
Carbon disulfide	91		87		59-130	4		30
2-Butanone	98		101		70-130	3		30
Vinyl acetate	114		116		70-130	2		30
4-Methyl-2-pentanone	100		104		70-130	4		30
1,2,3-Trichloropropane	102		101		68-130	1		30
2-Hexanone	100		102		70-130	2		30
Bromochloromethane	97		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1569118-3 WG1569118-4								
2,2-Dichloropropane	111		107		70-130	4		30
1,2-Dibromoethane	105		108		70-130	3		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	114		114		70-130	0		30
Bromobenzene	105		102		70-130	3		30
n-Butylbenzene	117		113		70-130	3		30
sec-Butylbenzene	115		112		70-130	3		30
tert-Butylbenzene	114		110		70-130	4		30
o-Chlorotoluene	111		109		70-130	2		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	104		105		68-130	1		30
Hexachlorobutadiene	108		106		67-130	2		30
Isopropylbenzene	113		108		70-130	5		30
p-Isopropyltoluene	117		112		70-130	4		30
Naphthalene	104		106		70-130	2		30
Acrylonitrile	98		101		70-130	3		30
n-Propylbenzene	112		108		70-130	4		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	107		106		70-130	1		30
1,3,5-Trimethylbenzene	112		108		70-130	4		30
1,2,4-Trimethylbenzene	109		107		70-130	2		30
1,4-Dioxane	98		105		65-136	7		30
p-Diethylbenzene	115		112		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1569118-3 WG1569118-4								
p-Ethyltoluene	112		107		70-130	5		30
1,2,4,5-Tetramethylbenzene	114		112		70-130	2		30
Ethyl ether	96		97		67-130	1		30
trans-1,4-Dichloro-2-butene	110		111		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	107		103		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01
Client ID: B-1 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 07:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 13:20
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	1700		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	29	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01 Date Collected: 11/02/21 07:45

Client ID: B-1 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	870		ug/kg	110	20.	1
Benzo(a)pyrene	730		ug/kg	140	43.	1
Benzo(b)fluoranthene	890		ug/kg	110	30.	1
Benzo(k)fluoranthene	300		ug/kg	110	28.	1
Chrysene	910		ug/kg	110	18.	1
Acenaphthylene	39	J	ug/kg	140	27.	1
Anthracene	260		ug/kg	110	35.	1
Benzo(ghi)perylene	430		ug/kg	140	21.	1
Fluorene	92	J	ug/kg	180	17.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	120		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	450		ug/kg	140	25.	1
Pyrene	1800		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	38	J	ug/kg	180	17.	1
2-Methylnaphthalene	25	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01 Date Collected: 11/02/21 07:45

Client ID: B-1 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	100	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	94		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02
Client ID: B-2 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 12:16
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 14:07
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	3500		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	61	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02 Date Collected: 11/02/21 12:16

Client ID: B-2 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1800		ug/kg	100	20.	1
Benzo(a)pyrene	1700		ug/kg	140	43.	1
Benzo(b)fluoranthene	2100		ug/kg	100	30.	1
Benzo(k)fluoranthene	760		ug/kg	100	28.	1
Chrysene	1900		ug/kg	100	18.	1
Acenaphthylene	110	J	ug/kg	140	27.	1
Anthracene	440		ug/kg	100	34.	1
Benzo(ghi)perylene	990		ug/kg	140	21.	1
Fluorene	160	J	ug/kg	180	17.	1
Phenanthrene	2300		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	270		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	140	24.	1
Pyrene	3600		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	81	J	ug/kg	180	17.	1
2-Methylnaphthalene	52	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02
Client ID: B-2 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 12:16
Date Received: 11/02/21
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	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	160	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	87		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03
Client ID: B-3 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 12:55
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 14:31
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	740		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	400		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: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 Date Collected: 11/02/21 12:55

Client ID: B-3 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	520		ug/kg	110	20.	1
Benzo(a)pyrene	570		ug/kg	140	44.	1
Benzo(b)fluoranthene	710		ug/kg	110	30.	1
Benzo(k)fluoranthene	230		ug/kg	110	29.	1
Chrysene	580		ug/kg	110	19.	1
Acenaphthylene	32	J	ug/kg	140	28.	1
Anthracene	88	J	ug/kg	110	35.	1
Benzo(ghi)perylene	440		ug/kg	140	21.	1
Fluorene	18	J	ug/kg	180	17.	1
Phenanthrene	290		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	93	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	380		ug/kg	140	25.	1
Pyrene	820		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	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 Date Collected: 11/02/21 12:55

Client ID: B-3 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	26	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**9**	Q	25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	**3**	Q	10-136
4-Terphenyl-d14	83		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 RE
Client ID: B-3 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 12:55
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/10/21 06:27
Analyst: CMM
Percent Solids: 91%

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	320		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	73	J	ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 RE Date Collected: 11/02/21 12:55
Client ID: B-3 (0-2') Date Received: 11/02/21
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	260		ug/kg	110	20.	1
Benzo(a)pyrene	260		ug/kg	140	44.	1
Benzo(b)fluoranthene	330		ug/kg	110	30.	1
Benzo(k)fluoranthene	120		ug/kg	110	29.	1
Chrysene	280		ug/kg	110	19.	1
Acenaphthylene	30	J	ug/kg	140	28.	1
Anthracene	39	J	ug/kg	110	35.	1
Benzo(ghi)perylene	260		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	150		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	54	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	140	25.	1
Pyrene	380		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	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03 RE Date Collected: 11/02/21 12:55

Client ID: B-3 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**7**	Q	25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	67		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04
Client ID: B-4 (5-6')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 10:20
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 14:54
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	2200		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04 Date Collected: 11/02/21 10:20

Client ID: B-4 (5-6') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2300		ug/kg	110	20.	1
Benzo(a)pyrene	2100		ug/kg	140	44.	1
Benzo(b)fluoranthene	1800		ug/kg	110	30.	1
Benzo(k)fluoranthene	660		ug/kg	110	29.	1
Chrysene	2300		ug/kg	110	19.	1
Acenaphthylene	42	J	ug/kg	140	28.	1
Anthracene	440		ug/kg	110	35.	1
Benzo(ghi)perylene	760		ug/kg	140	21.	1
Fluorene	57	J	ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	260		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	820		ug/kg	140	25.	1
Pyrene	4100		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	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04
Client ID: B-4 (5-6')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 10:20
Date Received: 11/02/21
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	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	34	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	87		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05
Client ID: B-5 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 09:15
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 15:18
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	320		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05 Date Collected: 11/02/21 09:15

Client ID: B-5 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	190		ug/kg	100	20.	1
Benzo(a)pyrene	200		ug/kg	140	43.	1
Benzo(b)fluoranthene	270		ug/kg	100	30.	1
Benzo(k)fluoranthene	99	J	ug/kg	100	28.	1
Chrysene	210		ug/kg	100	18.	1
Acenaphthylene	33	J	ug/kg	140	27.	1
Anthracene	40	J	ug/kg	100	34.	1
Benzo(ghi)perylene	140		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	180		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	140		ug/kg	140	24.	1
Pyrene	350		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	22	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05 Date Collected: 11/02/21 09:15

Client ID: B-5 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	21	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	69		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06
Client ID: B-6 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 08:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 15:41
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	76	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	1700		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	28	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06 Date Collected: 11/02/21 08:30

Client ID: B-6 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	840		ug/kg	100	20.	1
Benzo(a)pyrene	770		ug/kg	140	42.	1
Benzo(b)fluoranthene	1000		ug/kg	100	29.	1
Benzo(k)fluoranthene	370		ug/kg	100	28.	1
Chrysene	850		ug/kg	100	18.	1
Acenaphthylene	39	J	ug/kg	140	27.	1
Anthracene	220		ug/kg	100	34.	1
Benzo(ghi)perylene	350		ug/kg	140	20.	1
Fluorene	61	J	ug/kg	170	17.	1
Phenanthrene	970		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	90	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	140	24.	1
Pyrene	1500		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	32	J	ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	380	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06 Date Collected: 11/02/21 08:30

Client ID: B-6 (1-3') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	64	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	78		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07
Client ID: B-8 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 13:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 10:42
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	99	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	3300		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	49	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2600		ug/kg	110	21.	1
Benzo(a)pyrene	2500		ug/kg	150	46.	1
Benzo(b)fluoranthene	2900		ug/kg	110	32.	1
Benzo(k)fluoranthene	980		ug/kg	110	30.	1
Chrysene	3300		ug/kg	110	20.	1
Acenaphthylene	96	J	ug/kg	150	29.	1
Anthracene	320		ug/kg	110	37.	1
Benzo(ghi)perylene	1700		ug/kg	150	22.	1
Fluorene	60	J	ug/kg	190	18.	1
Phenanthrene	1700		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	420		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	150	26.	1
Pyrene	4200		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	32	J	ug/kg	190	18.	1
2-Methylnaphthalene	28	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	90	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	25-120
Phenol-d6	34		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	**1**	Q	10-136
4-Terphenyl-d14	68		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 RE
Client ID: B-8 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 13:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/08/21 12:05
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/06/21 14:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	74	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	25	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 RE Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	2000		ug/kg	110	21.	1
Benzo(a)pyrene	1700		ug/kg	150	46.	1
Benzo(b)fluoranthene	2100		ug/kg	110	32.	1
Benzo(k)fluoranthene	680		ug/kg	110	30.	1
Chrysene	2300		ug/kg	110	20.	1
Acenaphthylene	61	J	ug/kg	150	29.	1
Anthracene	210		ug/kg	110	37.	1
Benzo(ghi)perylene	1200		ug/kg	150	22.	1
Fluorene	49	J	ug/kg	190	18.	1
Phenanthrene	1300		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	300		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1100		ug/kg	150	26.	1
Pyrene	3000		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	21	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07 RE Date Collected: 11/02/21 13:45

Client ID: B-8 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	56	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**7**	Q	25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	**1**	Q	10-136
4-Terphenyl-d14	43		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/21 11:04
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/04/21 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22	J	ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	610		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	98	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	460		ug/kg	110	20.	1
Benzo(a)pyrene	490		ug/kg	140	44.	1
Benzo(b)fluoranthene	580		ug/kg	110	30.	1
Benzo(k)fluoranthene	210		ug/kg	110	29.	1
Chrysene	530		ug/kg	110	19.	1
Acenaphthylene	110	J	ug/kg	140	28.	1
Anthracene	120		ug/kg	110	35.	1
Benzo(ghi)perylene	480		ug/kg	140	21.	1
Fluorene	28	J	ug/kg	180	18.	1
Phenanthrene	480		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	140	25.	1
Pyrene	810		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	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	60	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	24	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**7**	Q	25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	67		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 RE
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/08/21 13:13
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/06/21 14:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	350		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	64	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 RE Date Collected: 11/02/21 11:30
Client ID: B-10 (0-2') Date Received: 11/02/21
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	240		ug/kg	110	21.	1
Benzo(a)pyrene	310		ug/kg	150	45.	1
Benzo(b)fluoranthene	370		ug/kg	110	31.	1
Benzo(k)fluoranthene	130		ug/kg	110	29.	1
Chrysene	310		ug/kg	110	19.	1
Acenaphthylene	74	J	ug/kg	150	28.	1
Anthracene	55	J	ug/kg	110	36.	1
Benzo(ghi)perylene	320		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	160		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	150	26.	1
Pyrene	420		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	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	39	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160059

Project Number: 0203563 **Report Date:** 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08 RE Date Collected: 11/02/21 11:30

Client ID: B-10 (0-2') Date Received: 11/02/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	25-120
Phenol-d6	28		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	**1**	Q	10-136
4-Terphenyl-d14	37		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 22:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1566899-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 22:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1566899-1					
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	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/21 22:54
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 00:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1566899-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	85		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 09:25
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1567377-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 09:25
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1567377-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/21 09:25
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/04/21 18:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1567377-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	90		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/08/21 08:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/06/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1568060-1					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/08/21 08:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/06/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1568060-1					
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	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/08/21 08:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/06/21 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1568060-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	77		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/09/21 23:22
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/09/21 08:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1568843-1					
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: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/09/21 23:22
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/09/21 08:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1568843-1					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/09/21 23:22
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 11/09/21 08:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1568843-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	82		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1566899-2 WG1566899-3								
Acenaphthene	72		72		31-137	0		50
1,2,4-Trichlorobenzene	75		77		38-107	3		50
Hexachlorobenzene	77		76		40-140	1		50
Bis(2-chloroethyl)ether	72		74		40-140	3		50
2-Chloronaphthalene	75		78		40-140	4		50
1,2-Dichlorobenzene	71		74		40-140	4		50
1,3-Dichlorobenzene	70		72		40-140	3		50
1,4-Dichlorobenzene	69		72		28-104	4		50
3,3'-Dichlorobenzidine	55		56		40-140	2		50
2,4-Dinitrotoluene	77		76		40-132	1		50
2,6-Dinitrotoluene	80		80		40-140	0		50
Fluoranthene	74		74		40-140	0		50
4-Chlorophenyl phenyl ether	75		75		40-140	0		50
4-Bromophenyl phenyl ether	77		77		40-140	0		50
Bis(2-chloroisopropyl)ether	67		69		40-140	3		50
Bis(2-chloroethoxy)methane	74		75		40-117	1		50
Hexachlorobutadiene	80		82		40-140	2		50
Hexachlorocyclopentadiene	81		84		40-140	4		50
Hexachloroethane	74		76		40-140	3		50
Isophorone	74		74		40-140	0		50
Naphthalene	72		73		40-140	1		50
Nitrobenzene	72		74		40-140	3		50
NDPA/DPA	75		74		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1566899-2 WG1566899-3								
n-Nitrosodi-n-propylamine	74		75		32-121	1		50
Bis(2-ethylhexyl)phthalate	81		82		40-140	1		50
Butyl benzyl phthalate	79		79		40-140	0		50
Di-n-butylphthalate	79		78		40-140	1		50
Di-n-octylphthalate	79		80		40-140	1		50
Diethyl phthalate	78		77		40-140	1		50
Dimethyl phthalate	79		79		40-140	0		50
Benzo(a)anthracene	72		73		40-140	1		50
Benzo(a)pyrene	74		76		40-140	3		50
Benzo(b)fluoranthene	73		75		40-140	3		50
Benzo(k)fluoranthene	74		75		40-140	1		50
Chrysene	73		75		40-140	3		50
Acenaphthylene	76		76		40-140	0		50
Anthracene	74		73		40-140	1		50
Benzo(ghi)perylene	73		73		40-140	0		50
Fluorene	72		72		40-140	0		50
Phenanthrene	71		72		40-140	1		50
Dibenzo(a,h)anthracene	73		73		40-140	0		50
Indeno(1,2,3-cd)pyrene	74		74		40-140	0		50
Pyrene	73		73		35-142	0		50
Biphenyl	78		79		37-127	1		50
4-Chloroaniline	75		69		40-140	8		50
2-Nitroaniline	77		78		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1566899-2 WG1566899-3								
3-Nitroaniline	58		57		26-129	2		50
4-Nitroaniline	70		69		41-125	1		50
Dibenzofuran	73		72		40-140	1		50
2-Methylnaphthalene	75		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	80		82		40-117	2		50
Acetophenone	77		78		14-144	1		50
2,4,6-Trichlorophenol	81		80		30-130	1		50
p-Chloro-m-cresol	80		81		26-103	1		50
2-Chlorophenol	74		76		25-102	3		50
2,4-Dichlorophenol	78		79		30-130	1		50
2,4-Dimethylphenol	77		79		30-130	3		50
2-Nitrophenol	75		77		30-130	3		50
4-Nitrophenol	79		78		11-114	1		50
2,4-Dinitrophenol	53		58		4-130	9		50
4,6-Dinitro-o-cresol	74		75		10-130	1		50
Pentachlorophenol	78		80		17-109	3		50
Phenol	66		68		26-90	3		50
2-Methylphenol	74		74		30-130.	0		50
3-Methylphenol/4-Methylphenol	74		74		30-130	0		50
2,4,5-Trichlorophenol	80		82		30-130	2		50
Benzoic Acid	**2**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	77		79		40-140	3		50
Carbazole	73		72		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1566899-2 WG1566899-3								
1,4-Dioxane	53		54		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	0	Q	78		25-120
Phenol-d6	0	Q	80		10-120
Nitrobenzene-d5	0	Q	75		23-120
2-Fluorobiphenyl	0	Q	78		30-120
2,4,6-Tribromophenol	0	Q	84		10-136
4-Terphenyl-d14	0	Q	78		18-120

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1567377-2 WG1567377-3								
Acenaphthene	81		81		31-137	0		50
1,2,4-Trichlorobenzene	80		78		38-107	3		50
Hexachlorobenzene	88		89		40-140	1		50
Bis(2-chloroethyl)ether	76		75		40-140	1		50
2-Chloronaphthalene	83		83		40-140	0		50
1,2-Dichlorobenzene	76		75		40-140	1		50
1,3-Dichlorobenzene	74		72		40-140	3		50
1,4-Dichlorobenzene	75		74		28-104	1		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	89		90		40-132	1		50
2,6-Dinitrotoluene	88		88		40-140	0		50
Fluoranthene	88		88		40-140	0		50
4-Chlorophenyl phenyl ether	83		83		40-140	0		50
4-Bromophenyl phenyl ether	86		87		40-140	1		50
Bis(2-chloroisopropyl)ether	72		69		40-140	4		50
Bis(2-chloroethoxy)methane	78		76		40-117	3		50
Hexachlorobutadiene	83		81		40-140	2		50
Hexachlorocyclopentadiene	81		79		40-140	3		50
Hexachloroethane	77		75		40-140	3		50
Isophorone	78		76		40-140	3		50
Naphthalene	77		76		40-140	1		50
Nitrobenzene	77		76		40-140	1		50
NDPA/DPA	85		87		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1567377-2 WG1567377-3								
n-Nitrosodi-n-propylamine	78		75		32-121	4		50
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		50
Butyl benzyl phthalate	90		90		40-140	0		50
Di-n-butylphthalate	85		87		40-140	2		50
Di-n-octylphthalate	87		89		40-140	2		50
Diethyl phthalate	85		87		40-140	2		50
Dimethyl phthalate	85		86		40-140	1		50
Benzo(a)anthracene	86		88		40-140	2		50
Benzo(a)pyrene	92		96		40-140	4		50
Benzo(b)fluoranthene	92		93		40-140	1		50
Benzo(k)fluoranthene	88		92		40-140	4		50
Chrysene	86		90		40-140	5		50
Acenaphthylene	83		83		40-140	0		50
Anthracene	83		86		40-140	4		50
Benzo(ghi)perylene	89		90		40-140	1		50
Fluorene	83		84		40-140	1		50
Phenanthrene	83		85		40-140	2		50
Dibenzo(a,h)anthracene	89		90		40-140	1		50
Indeno(1,2,3-cd)pyrene	91		93		40-140	2		50
Pyrene	88		88		35-142	0		50
Biphenyl	83		83		37-127	0		50
4-Chloroaniline	72		73		40-140	1		50
2-Nitroaniline	88		89		47-134	1		50

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1567377-2 WG1567377-3								
3-Nitroaniline	66		71		26-129	7		50
4-Nitroaniline	83		87		41-125	5		50
Dibenzofuran	83		83		40-140	0		50
2-Methylnaphthalene	82		82		40-140	0		50
1,2,4,5-Tetrachlorobenzene	86		84		40-117	2		50
Acetophenone	81		80		14-144	1		50
2,4,6-Trichlorophenol	87		87		30-130	0		50
p-Chloro-m-cresol	88		90		26-103	2		50
2-Chlorophenol	80		80		25-102	0		50
2,4-Dichlorophenol	86		83		30-130	4		50
2,4-Dimethylphenol	85		82		30-130	4		50
2-Nitrophenol	83		81		30-130	2		50
4-Nitrophenol	91		93		11-114	2		50
2,4-Dinitrophenol	67		68		4-130	1		50
4,6-Dinitro-o-cresol	91		92		10-130	1		50
Pentachlorophenol	93		95		17-109	2		50
Phenol	74		71		26-90	4		50
2-Methylphenol	80		78		30-130.	3		50
3-Methylphenol/4-Methylphenol	82		80		30-130	2		50
2,4,5-Trichlorophenol	90		89		30-130	1		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	84		81		40-140	4		50
Carbazole	85		87		54-128	2		50

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1567377-2 WG1567377-3								
1,4-Dioxane	55		55		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		80		25-120
Phenol-d6	85		84		10-120
Nitrobenzene-d5	78		77		23-120
2-Fluorobiphenyl	81		80		30-120
2,4,6-Tribromophenol	96		98		10-136
4-Terphenyl-d14	89		91		18-120

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1568060-2 WG1568060-3								
Acenaphthene	78		86		31-137	10		50
1,2,4-Trichlorobenzene	75		82		38-107	9		50
Hexachlorobenzene	76		85		40-140	11		50
Bis(2-chloroethyl)ether	73		81		40-140	10		50
2-Chloronaphthalene	79		86		40-140	8		50
1,2-Dichlorobenzene	74		80		40-140	8		50
1,3-Dichlorobenzene	74		82		40-140	10		50
1,4-Dichlorobenzene	73		80		28-104	9		50
3,3'-Dichlorobenzidine	49		52		40-140	6		50
2,4-Dinitrotoluene	80		89		40-132	11		50
2,6-Dinitrotoluene	83		90		40-140	8		50
Fluoranthene	83		90		40-140	8		50
4-Chlorophenyl phenyl ether	76		83		40-140	9		50
4-Bromophenyl phenyl ether	78		85		40-140	9		50
Bis(2-chloroisopropyl)ether	73		82		40-140	12		50
Bis(2-chloroethoxy)methane	76		84		40-117	10		50
Hexachlorobutadiene	76		81		40-140	6		50
Hexachlorocyclopentadiene	71		77		40-140	8		50
Hexachloroethane	73		79		40-140	8		50
Isophorone	76		82		40-140	8		50
Naphthalene	77		85		40-140	10		50
Nitrobenzene	76		84		40-140	10		50
NDPA/DPA	80		88		36-157	10		50

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1568060-2 WG1568060-3								
n-Nitrosodi-n-propylamine	75		83		32-121	10		50
Bis(2-ethylhexyl)phthalate	90		98		40-140	9		50
Butyl benzyl phthalate	88		98		40-140	11		50
Di-n-butylphthalate	88		94		40-140	7		50
Di-n-octylphthalate	93		101		40-140	8		50
Diethyl phthalate	82		90		40-140	9		50
Dimethyl phthalate	83		89		40-140	7		50
Benzo(a)anthracene	80		85		40-140	6		50
Benzo(a)pyrene	78		86		40-140	10		50
Benzo(b)fluoranthene	78		87		40-140	11		50
Benzo(k)fluoranthene	81		89		40-140	9		50
Chrysene	80		89		40-140	11		50
Acenaphthylene	82		90		40-140	9		50
Anthracene	81		87		40-140	7		50
Benzo(ghi)perylene	80		88		40-140	10		50
Fluorene	79		86		40-140	8		50
Phenanthrene	83		91		40-140	9		50
Dibenzo(a,h)anthracene	80		88		40-140	10		50
Indeno(1,2,3-cd)pyrene	82		90		40-140	9		50
Pyrene	81		90		35-142	11		50
Biphenyl	82		89		37-127	8		50
4-Chloroaniline	50		50		40-140	0		50
2-Nitroaniline	84		92		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1568060-2 WG1568060-3								
3-Nitroaniline	62		67		26-129	8		50
4-Nitroaniline	71		81		41-125	13		50
Dibenzofuran	80		90		40-140	12		50
2-Methylnaphthalene	78		87		40-140	11		50
1,2,4,5-Tetrachlorobenzene	80		88		40-117	10		50
Acetophenone	80		86		14-144	7		50
2,4,6-Trichlorophenol	81		90		30-130	11		50
p-Chloro-m-cresol	85		92		26-103	8		50
2-Chlorophenol	82		90		25-102	9		50
2,4-Dichlorophenol	84		92		30-130	9		50
2,4-Dimethylphenol	83		90		30-130	8		50
2-Nitrophenol	76		82		30-130	8		50
4-Nitrophenol	89		100		11-114	12		50
2,4-Dinitrophenol	60		70		4-130	15		50
4,6-Dinitro-o-cresol	80		87		10-130	8		50
Pentachlorophenol	76		86		17-109	12		50
Phenol	80		88		26-90	10		50
2-Methylphenol	82		90		30-130.	9		50
3-Methylphenol/4-Methylphenol	80		88		30-130	10		50
2,4,5-Trichlorophenol	85		93		30-130	9		50
Benzoic Acid	24		21		10-110	13		50
Benzyl Alcohol	81		89		40-140	9		50
Carbazole	83		90		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1568060-2 WG1568060-3								
1,4-Dioxane	53		60		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		89		25-120
Phenol-d6	85		95		10-120
Nitrobenzene-d5	75		82		23-120
2-Fluorobiphenyl	80		85		30-120
2,4,6-Tribromophenol	79		85		10-136
4-Terphenyl-d14	82		88		18-120

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1568843-2 WG1568843-3								
Acenaphthene	74		70		31-137	6		50
1,2,4-Trichlorobenzene	81		73		38-107	10		50
Hexachlorobenzene	86		81		40-140	6		50
Bis(2-chloroethyl)ether	65		65		40-140	0		50
2-Chloronaphthalene	76		75		40-140	1		50
1,2-Dichlorobenzene	71		70		40-140	1		50
1,3-Dichlorobenzene	71		70		40-140	1		50
1,4-Dichlorobenzene	72		70		28-104	3		50
3,3'-Dichlorobenzidine	62		61		40-140	2		50
2,4-Dinitrotoluene	80		75		40-132	6		50
2,6-Dinitrotoluene	81		72		40-140	12		50
Fluoranthene	74		73		40-140	1		50
4-Chlorophenyl phenyl ether	79		76		40-140	4		50
4-Bromophenyl phenyl ether	82		79		40-140	4		50
Bis(2-chloroisopropyl)ether	49		46		40-140	6		50
Bis(2-chloroethoxy)methane	70		64		40-117	9		50
Hexachlorobutadiene	78		76		40-140	3		50
Hexachlorocyclopentadiene	68		64		40-140	6		50
Hexachloroethane	70		65		40-140	7		50
Isophorone	71		66		40-140	7		50
Naphthalene	74		72		40-140	3		50
Nitrobenzene	68		62		40-140	9		50
NDPA/DPA	76		73		36-157	4		50

Lab Control Sample Analysis
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1568843-2 WG1568843-3								
n-Nitrosodi-n-propylamine	67		63		32-121	6		50
Bis(2-ethylhexyl)phthalate	70		67		40-140	4		50
Butyl benzyl phthalate	72		70		40-140	3		50
Di-n-butylphthalate	73		71		40-140	3		50
Di-n-octylphthalate	73		68		40-140	7		50
Diethyl phthalate	73		68		40-140	7		50
Dimethyl phthalate	78		71		40-140	9		50
Benzo(a)anthracene	70		68		40-140	3		50
Benzo(a)pyrene	77		72		40-140	7		50
Benzo(b)fluoranthene	74		76		40-140	3		50
Benzo(k)fluoranthene	77		72		40-140	7		50
Chrysene	72		71		40-140	1		50
Acenaphthylene	79		72		40-140	9		50
Anthracene	75		73		40-140	3		50
Benzo(ghi)perylene	82		79		40-140	4		50
Fluorene	74		69		40-140	7		50
Phenanthrene	73		70		40-140	4		50
Dibenzo(a,h)anthracene	81		81		40-140	0		50
Indeno(1,2,3-cd)pyrene	82		79		40-140	4		50
Pyrene	74		73		35-142	1		50
Biphenyl	78		75		37-127	4		50
4-Chloroaniline	57		57		40-140	0		50
2-Nitroaniline	79		75		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1568843-2 WG1568843-3								
3-Nitroaniline	67		65		26-129	3		50
4-Nitroaniline	75		74		41-125	1		50
Dibenzofuran	74		71		40-140	4		50
2-Methylnaphthalene	76		73		40-140	4		50
1,2,4,5-Tetrachlorobenzene	80		75		40-117	6		50
Acetophenone	78		72		14-144	8		50
2,4,6-Trichlorophenol	82		78		30-130	5		50
p-Chloro-m-cresol	76		73		26-103	4		50
2-Chlorophenol	76		74		25-102	3		50
2,4-Dichlorophenol	86		79		30-130	8		50
2,4-Dimethylphenol	79		73		30-130	8		50
2-Nitrophenol	84		76		30-130	10		50
4-Nitrophenol	74		72		11-114	3		50
2,4-Dinitrophenol	44		44		4-130	0		50
4,6-Dinitro-o-cresol	77		74		10-130	4		50
Pentachlorophenol	82		76		17-109	8		50
Phenol	70		69		26-90	1		50
2-Methylphenol	79		73		30-130.	8		50
3-Methylphenol/4-Methylphenol	85		78		30-130	9		50
2,4,5-Trichlorophenol	83		82		30-130	1		50
Benzoic Acid	**4**	Q	**5**	Q	10-110	7		50
Benzyl Alcohol	69		69		40-140	0		50
Carbazole	74		71		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1568843-2 WG1568843-3								
1,4-Dioxane	46		44		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		74		25-120
Phenol-d6	80		78		10-120
Nitrobenzene-d5	74		67		23-120
2-Fluorobiphenyl	79		78		30-120
2,4,6-Tribromophenol	97		92		10-136
4-Terphenyl-d14	83		81		18-120

METALS

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01
Client ID: B-1 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 07:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6120		mg/kg	8.19	2.21	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.10	0.311	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Arsenic, Total	2.76		mg/kg	0.819	0.170	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Barium, Total	34.0		mg/kg	0.819	0.142	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Beryllium, Total	0.270	J	mg/kg	0.410	0.027	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Cadmium, Total	0.532	J	mg/kg	0.819	0.080	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Calcium, Total	14400		mg/kg	81.9	28.7	20	11/06/21 10:00	11/09/21 13:39	EPA 3050B	1,6010D	SV
Chromium, Total	10.8		mg/kg	0.819	0.079	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Cobalt, Total	5.00		mg/kg	1.64	0.136	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Copper, Total	17.0		mg/kg	0.819	0.211	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Iron, Total	11600		mg/kg	4.10	0.740	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Lead, Total	77.4		mg/kg	4.10	0.220	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Magnesium, Total	4850		mg/kg	8.19	1.26	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Manganese, Total	228		mg/kg	0.819	0.130	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Mercury, Total	0.207		mg/kg	0.068	0.044	1	11/06/21 11:55	11/06/21 15:22	EPA 7471B	1,7471B	NB
Nickel, Total	7.86		mg/kg	2.05	0.198	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Potassium, Total	349		mg/kg	205	11.8	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Selenium, Total	0.344	J	mg/kg	1.64	0.211	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.819	0.232	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Sodium, Total	326		mg/kg	164	2.58	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.64	0.258	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Vanadium, Total	17.3		mg/kg	0.819	0.166	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV
Zinc, Total	62.1		mg/kg	4.10	0.240	2	11/06/21 10:00	11/09/21 11:30	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02
Client ID: B-2 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 12:16
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4850		mg/kg	8.27	2.23	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Antimony, Total	0.356	J	mg/kg	4.14	0.314	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Arsenic, Total	3.12		mg/kg	0.827	0.172	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Barium, Total	57.0		mg/kg	0.827	0.144	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Beryllium, Total	0.223	J	mg/kg	0.414	0.027	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Cadmium, Total	0.744	J	mg/kg	0.827	0.081	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Calcium, Total	30800		mg/kg	8.27	2.89	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Chromium, Total	13.2		mg/kg	0.827	0.079	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Cobalt, Total	3.87		mg/kg	1.65	0.137	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Copper, Total	26.3		mg/kg	0.827	0.213	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Iron, Total	12400		mg/kg	4.14	0.747	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Lead, Total	190		mg/kg	4.14	0.222	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Magnesium, Total	15300		mg/kg	8.27	1.27	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Manganese, Total	181		mg/kg	0.827	0.132	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Mercury, Total	0.266		mg/kg	0.068	0.044	1	11/06/21 11:55	11/06/21 15:26	EPA 7471B	1,7471B	NB
Nickel, Total	10.0		mg/kg	2.07	0.200	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Potassium, Total	327		mg/kg	207	11.9	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Selenium, Total	0.744	J	mg/kg	1.65	0.213	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.827	0.234	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Sodium, Total	346		mg/kg	165	2.60	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.65	0.260	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Vanadium, Total	20.7		mg/kg	0.827	0.168	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV
Zinc, Total	90.4		mg/kg	4.14	0.242	2	11/06/21 10:00	11/09/21 10:34	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03
Client ID: B-3 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 12:55
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4250		mg/kg	8.29	2.24	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Antimony, Total	0.464	J	mg/kg	4.14	0.315	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Arsenic, Total	2.03		mg/kg	0.829	0.172	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Barium, Total	20.6		mg/kg	0.829	0.144	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Beryllium, Total	0.199	J	mg/kg	0.414	0.027	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Cadmium, Total	0.473	J	mg/kg	0.829	0.081	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Calcium, Total	14000		mg/kg	8.29	2.90	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Chromium, Total	10.9		mg/kg	0.829	0.080	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Cobalt, Total	3.65		mg/kg	1.66	0.138	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Copper, Total	19.9		mg/kg	0.829	0.214	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Iron, Total	10200		mg/kg	4.14	0.749	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Lead, Total	54.6		mg/kg	4.14	0.222	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Magnesium, Total	2880		mg/kg	8.29	1.28	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Manganese, Total	185		mg/kg	0.829	0.132	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Mercury, Total	0.159		mg/kg	0.069	0.045	1	11/06/21 11:55	11/06/21 15:36	EPA 7471B	1,7471B	NB
Nickel, Total	8.40		mg/kg	2.07	0.201	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Potassium, Total	317		mg/kg	207	11.9	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Selenium, Total	0.232	J	mg/kg	1.66	0.214	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.829	0.235	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Sodium, Total	124	J	mg/kg	166	2.61	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.66	0.261	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Vanadium, Total	13.9		mg/kg	0.829	0.168	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV
Zinc, Total	88.3		mg/kg	4.14	0.243	2	11/06/21 10:00	11/09/21 10:38	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04
Client ID: B-4 (5-6')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 10:20
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3970		mg/kg	8.21	2.22	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.10	0.312	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Arsenic, Total	2.47		mg/kg	0.821	0.171	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Barium, Total	24.9		mg/kg	0.821	0.143	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Beryllium, Total	0.131	J	mg/kg	0.410	0.027	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Cadmium, Total	0.492	J	mg/kg	0.821	0.080	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Calcium, Total	79400		mg/kg	82.1	28.7	20	11/06/21 10:00	11/09/21 13:35	EPA 3050B	1,6010D	SV
Chromium, Total	6.13		mg/kg	0.821	0.079	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Cobalt, Total	5.06		mg/kg	1.64	0.136	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Copper, Total	18.1		mg/kg	0.821	0.212	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Iron, Total	12400		mg/kg	4.10	0.741	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Lead, Total	35.0		mg/kg	4.10	0.220	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Magnesium, Total	33200		mg/kg	8.21	1.26	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Manganese, Total	206		mg/kg	0.821	0.130	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Mercury, Total	0.115		mg/kg	0.069	0.045	1	11/06/21 11:55	11/06/21 15:39	EPA 7471B	1,7471B	NB
Nickel, Total	6.58		mg/kg	2.05	0.199	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Potassium, Total	264		mg/kg	205	11.8	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Selenium, Total	0.525	J	mg/kg	1.64	0.212	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.821	0.232	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Sodium, Total	366		mg/kg	164	2.58	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.64	0.258	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Vanadium, Total	24.6		mg/kg	0.821	0.167	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV
Zinc, Total	43.6		mg/kg	4.10	0.240	2	11/06/21 10:00	11/09/21 10:42	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05
Client ID: B-5 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 09:15
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4460		mg/kg	8.35	2.26	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.18	0.317	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Arsenic, Total	2.95		mg/kg	0.835	0.174	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Barium, Total	33.8		mg/kg	0.835	0.145	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Beryllium, Total	0.209	J	mg/kg	0.418	0.028	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Cadmium, Total	0.459	J	mg/kg	0.835	0.082	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Calcium, Total	19000		mg/kg	8.35	2.92	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Chromium, Total	11.1		mg/kg	0.835	0.080	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Cobalt, Total	4.24		mg/kg	1.67	0.139	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Copper, Total	19.0		mg/kg	0.835	0.216	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Iron, Total	11100		mg/kg	4.18	0.754	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Lead, Total	54.3		mg/kg	4.18	0.224	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Magnesium, Total	9410		mg/kg	8.35	1.29	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Manganese, Total	176		mg/kg	0.835	0.133	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Mercury, Total	0.696		mg/kg	0.068	0.044	1	11/06/21 11:55	11/06/21 15:42	EPA 7471B	1,7471B	NB
Nickel, Total	7.91		mg/kg	2.09	0.202	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Potassium, Total	384		mg/kg	209	12.0	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Selenium, Total	0.635	J	mg/kg	1.67	0.216	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.835	0.236	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Sodium, Total	142	J	mg/kg	167	2.63	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.67	0.263	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Vanadium, Total	26.3		mg/kg	0.835	0.170	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV
Zinc, Total	47.4		mg/kg	4.18	0.245	2	11/06/21 10:00	11/09/21 10:47	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06
Client ID: B-6 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 08:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5310		mg/kg	8.34	2.25	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Antimony, Total	ND		mg/kg	4.17	0.317	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Arsenic, Total	3.14		mg/kg	0.834	0.173	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Barium, Total	40.4		mg/kg	0.834	0.145	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Beryllium, Total	0.242	J	mg/kg	0.417	0.028	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Cadmium, Total	0.534	J	mg/kg	0.834	0.082	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Calcium, Total	26500		mg/kg	8.34	2.92	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Chromium, Total	10.9		mg/kg	0.834	0.080	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Cobalt, Total	3.89		mg/kg	1.67	0.138	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Copper, Total	17.6		mg/kg	0.834	0.215	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Iron, Total	11900		mg/kg	4.17	0.753	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Lead, Total	70.1		mg/kg	4.17	0.223	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Magnesium, Total	11800		mg/kg	8.34	1.28	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Manganese, Total	180		mg/kg	0.834	0.132	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Mercury, Total	0.117		mg/kg	0.067	0.044	1	11/06/21 11:55	11/06/21 15:45	EPA 7471B	1,7471B	NB
Nickel, Total	8.48		mg/kg	2.08	0.202	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Potassium, Total	345		mg/kg	208	12.0	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Selenium, Total	0.684	J	mg/kg	1.67	0.215	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Silver, Total	ND		mg/kg	0.834	0.236	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Sodium, Total	200		mg/kg	167	2.63	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Thallium, Total	ND		mg/kg	1.67	0.263	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Vanadium, Total	19.4		mg/kg	0.834	0.169	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV
Zinc, Total	57.5		mg/kg	4.17	0.244	2	11/06/21 10:00	11/09/21 10:51	EPA 3050B	1,6010D	SV

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07
Client ID: B-8 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 13:45
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4870		mg/kg	8.94	2.42	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Antimony, Total	1.74	J	mg/kg	4.47	0.340	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Arsenic, Total	8.29		mg/kg	0.894	0.186	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Barium, Total	321		mg/kg	0.894	0.156	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Beryllium, Total	0.304	J	mg/kg	0.447	0.030	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.894	0.088	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Calcium, Total	30600		mg/kg	8.94	3.13	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Chromium, Total	11.8		mg/kg	0.894	0.086	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Cobalt, Total	4.52		mg/kg	1.79	0.148	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Copper, Total	83.7		mg/kg	0.894	0.231	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Iron, Total	15800		mg/kg	4.47	0.808	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Lead, Total	665		mg/kg	4.47	0.240	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Magnesium, Total	9050		mg/kg	8.94	1.38	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Manganese, Total	223		mg/kg	0.894	0.142	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Mercury, Total	1.24		mg/kg	0.072	0.047	1	11/04/21 09:30	11/04/21 15:10	EPA 7471B	1,7471B	NB
Nickel, Total	12.4		mg/kg	2.24	0.216	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Potassium, Total	432		mg/kg	224	12.9	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Selenium, Total	0.402	J	mg/kg	1.79	0.231	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.894	0.253	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Sodium, Total	366		mg/kg	179	2.82	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.282	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Vanadium, Total	18.8		mg/kg	0.894	0.182	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC
Zinc, Total	276		mg/kg	4.47	0.262	2	11/04/21 05:50	11/04/21 20:02	EPA 3050B	1,6010D	MC

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160059
Project Number: 0203563
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6650		mg/kg	8.52	2.30	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Antimony, Total	0.511	J	mg/kg	4.26	0.324	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Arsenic, Total	3.99		mg/kg	0.852	0.177	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Barium, Total	45.8		mg/kg	0.852	0.148	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.315	J	mg/kg	0.426	0.028	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.852	0.084	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Calcium, Total	15400		mg/kg	8.52	2.98	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Chromium, Total	12.5		mg/kg	0.852	0.082	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Cobalt, Total	4.18		mg/kg	1.70	0.141	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Copper, Total	25.8		mg/kg	0.852	0.220	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Iron, Total	14100		mg/kg	4.26	0.769	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Lead, Total	110		mg/kg	4.26	0.228	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Magnesium, Total	3180		mg/kg	8.52	1.31	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Manganese, Total	205		mg/kg	0.852	0.135	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Mercury, Total	0.203		mg/kg	0.070	0.046	1	11/04/21 09:30	11/04/21 15:13	EPA 7471B	1,7471B	NB
Nickel, Total	7.97		mg/kg	2.13	0.206	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Potassium, Total	538		mg/kg	213	12.3	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.220	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.852	0.241	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Sodium, Total	336		mg/kg	170	2.68	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.268	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Vanadium, Total	17.8		mg/kg	0.852	0.173	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC
Zinc, Total	169		mg/kg	4.26	0.250	2	11/04/21 05:50	11/04/21 20:06	EPA 3050B	1,6010D	MC

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-08 Batch: WG1566710-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Barium, Total	0.080	J	mg/kg	0.400	0.070	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Calcium, Total	1.40	J	mg/kg	4.00	1.40	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Copper, Total	ND		mg/kg	0.400	0.103	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Iron, Total	0.528	J	mg/kg	2.00	0.361	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Lead, Total	ND		mg/kg	2.00	0.107	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Potassium, Total	ND		mg/kg	100	5.76	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Silver, Total	ND		mg/kg	0.400	0.113	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Sodium, Total	15.6	J	mg/kg	80.0	1.26	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/04/21 05:50	11/04/21 17:37	1,6010D	JC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07-08 Batch: WG1566711-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/04/21 09:30	11/04/21 14:07	1,7471B	NB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1567767-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Barium, Total	ND		mg/kg	0.400	0.070	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Calcium, Total	2.36	J	mg/kg	4.00	1.40	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Iron, Total	1.92	J	mg/kg	2.00	0.361	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Lead, Total	ND		mg/kg	2.00	0.107	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Magnesium, Total	1.49	J	mg/kg	4.00	0.616	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Potassium, Total	ND		mg/kg	100	5.76	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Sodium, Total	12.3	J	mg/kg	80.0	1.26	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/06/21 10:00	11/09/21 11:07	1,6010D	SV

Prep Information

Digestion Method: EPA 3050B

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1567874-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/06/21 11:55	11/06/21 15:03	1,7471B	NB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1566710-2 SRM Lot Number: D109-540								
Aluminum, Total	76		-		50-150	-		
Antimony, Total	146		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	94		-		75-125	-		
Beryllium, Total	97		-		75-125	-		
Cadmium, Total	91		-		75-125	-		
Calcium, Total	96		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	98		-		35-165	-		
Lead, Total	94		-		72-128	-		
Magnesium, Total	87		-		62-138	-		
Manganese, Total	99		-		74-126	-		
Nickel, Total	91		-		70-130	-		
Potassium, Total	94		-		59-141	-		
Selenium, Total	96		-		68-132	-		
Silver, Total	93		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	92		-		68-131	-		
Vanadium, Total	84		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1566710-2 SRM Lot Number: D109-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 07-08 Batch: WG1566711-2 SRM Lot Number: D109-540					
Mercury, Total	89	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1567767-2 SRM Lot Number: D109-540					
Aluminum, Total	64	-	50-150	-	
Antimony, Total	125	-	19-250	-	
Arsenic, Total	96	-	70-130	-	
Barium, Total	89	-	75-125	-	
Beryllium, Total	97	-	75-125	-	
Cadmium, Total	97	-	75-125	-	
Calcium, Total	84	-	73-128	-	
Chromium, Total	93	-	70-130	-	
Cobalt, Total	97	-	75-125	-	
Copper, Total	93	-	75-125	-	
Iron, Total	84	-	35-165	-	
Lead, Total	90	-	72-128	-	
Magnesium, Total	81	-	62-138	-	
Manganese, Total	88	-	74-126	-	
Nickel, Total	93	-	70-130	-	
Potassium, Total	81	-	59-141	-	
Selenium, Total	97	-	68-132	-	
Silver, Total	91	-	68-131	-	
Sodium, Total	96	-	35-165	-	
Thallium, Total	95	-	68-131	-	
Vanadium, Total	89	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1567767-2 SRM Lot Number: D109-540					
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1567874-2 SRM Lot Number: D109-540					
Mercury, Total	103	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

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): 07-08 QC Batch ID: WG1566710-3 WG1566710-4 QC Sample: L2160071-01 Client ID: MS Sample												
Aluminum, Total	6210	176	5990	**0**	Q	6870	**364**	Q	75-125	14		20
Antimony, Total	3.13J	44.1	40.7	92		42.1	93		75-125	3		20
Arsenic, Total	7.34	10.6	16.0	82		17.4	92		75-125	8		20
Barium, Total	999	176	866	**0**	Q	1180	100		75-125	**31**	Q	20
Beryllium, Total	0.337J	4.41	4.49	102		4.48	99		75-125	0		20
Cadmium, Total	1.51	4.68	5.42	84		5.41	81		75-125	0		20
Calcium, Total	22200	883	17900	**0**	Q	19900	**0**	Q	75-125	11		20
Chromium, Total	18.4	17.6	31.4	**74**	Q	35.5	94		75-125	12		20
Cobalt, Total	5.99	44.1	41.0	79		41.5	78		75-125	1		20
Copper, Total	93.6	22.1	101	**34**	Q	155	**270**	Q	75-125	**42**	Q	20
Iron, Total	20000	88.3	13600	**0**	Q	19500	**0**	Q	75-125	**36**	Q	20
Lead, Total	1140	46.8	690	**0**	Q	983	**0**	Q	75-125	**35**	Q	20
Magnesium, Total	4860	883	3510	**0**	Q	4020	**0**	Q	75-125	14		20
Manganese, Total	296	44.1	283	**0**	Q	331	77		75-125	16		20
Nickel, Total	15.4	44.1	50.1	78		60.3	99		75-125	18		20
Potassium, Total	852	883	1700	96		1880	113		75-125	10		20
Selenium, Total	ND	10.6	9.96	94		9.73	89		75-125	2		20
Silver, Total	ND	26.5	25.3	96		25.1	92		75-125	1		20
Sodium, Total	201	883	1050	96		1070	96		75-125	2		20
Thallium, Total	ND	10.6	8.51	80		8.54	78		75-125	0		20
Vanadium, Total	20.9	44.1	57.0	82		59.9	86		75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

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): 07-08 QC Batch ID: WG1566710-3 WG1566710-4 QC Sample: L2160071-01 Client ID: MS Sample												
Zinc, Total	727	44.1	606	**0**	Q	928	**443**	Q	75-125	**42**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1566711-3 WG1566711-4 QC Sample: L2160071-01 Client ID: MS Sample												
Mercury, Total	0.284	0.148	0.418	91		0.458	119		80-120	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

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): 01-06 QC Batch ID: WG1567767-3 QC Sample: L2160059-01 Client ID: B-1 (0-2')										
Aluminum, Total	6120	164	5830	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	41	27.7	**68**	Q	-	-	75-125	-	20
Arsenic, Total	2.76	9.84	12.2	96		-	-	75-125	-	20
Barium, Total	34.0	164	176	86		-	-	75-125	-	20
Beryllium, Total	0.270J	4.1	3.80	93		-	-	75-125	-	20
Cadmium, Total	0.532J	4.34	4.12	95		-	-	75-125	-	20
Calcium, Total	14400	820	47000	**3980**	Q	-	-	75-125	-	20
Chromium, Total	10.8	16.4	24.4	83		-	-	75-125	-	20
Cobalt, Total	5.00	41	36.4	76		-	-	75-125	-	20
Copper, Total	17.0	20.5	35.6	91		-	-	75-125	-	20
Iron, Total	11600	82	11500	**0**	Q	-	-	75-125	-	20
Lead, Total	77.4	43.4	89.3	**27**	Q	-	-	75-125	-	20
Magnesium, Total	4850	820	20300	**1880**	Q	-	-	75-125	-	20
Manganese, Total	228	41	234	**15**	Q	-	-	75-125	-	20
Nickel, Total	7.86	41	40.0	78		-	-	75-125	-	20
Potassium, Total	349	820	1270	112		-	-	75-125	-	20
Selenium, Total	0.344J	9.84	9.21	94		-	-	75-125	-	20
Silver, Total	ND	24.6	23.8	97		-	-	75-125	-	20
Sodium, Total	326	820	1050	88		-	-	75-125	-	20
Thallium, Total	ND	9.84	7.91	80		-	-	75-125	-	20
Vanadium, Total	17.3	41	51.6	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

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): 01-06 QC Batch ID: WG1567767-3 QC Sample: L2160059-01 Client ID: B-1 (0-2')										
Zinc, Total	62.1	41	82.7	**50**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567874-3 WG1567874-4 QC Sample: L2161233-02 Client ID: MS Sample										
Mercury, Total	1.02	1.3	2.28	97		2.24	94	80-120	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567767-4 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Aluminum, Total	6120	5200	mg/kg	16		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.76	2.90	mg/kg	5		20
Barium, Total	34.0	31.7	mg/kg	7		20
Beryllium, Total	0.270J	0.220J	mg/kg	NC		20
Cadmium, Total	0.532J	0.456J	mg/kg	NC		20
Chromium, Total	10.8	11.5	mg/kg	6		20
Cobalt, Total	5.00	3.78	mg/kg	**28**	Q	20
Copper, Total	17.0	15.1	mg/kg	12		20
Iron, Total	11600	10400	mg/kg	11		20
Lead, Total	77.4	55.5	mg/kg	**33**	Q	20
Magnesium, Total	4850	6300	mg/kg	**26**	Q	20
Manganese, Total	228	170	mg/kg	**29**	Q	20
Nickel, Total	7.86	7.49	mg/kg	5		20
Potassium, Total	349	420	mg/kg	18		20
Selenium, Total	0.344J	0.342J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	326	241	mg/kg	**30**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567767-4 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Vanadium, Total	17.3	17.5	mg/kg	1		20
Zinc, Total	62.1	50.9	mg/kg	20		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567767-4 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Calcium, Total	14400	33000	mg/kg	**78**	Q	20

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2160059
Report Date: 11/10/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07-08 QC Batch ID: WG1566710-6 QC Sample: L2160071-01 Client ID: DUP Sample						
Aluminum, Total	6210	7060	mg/kg	14		20
Barium, Total	999	1160	mg/kg	16		20
Calcium, Total	22200	26300	mg/kg	18		20
Copper, Total	93.6	104	mg/kg	11		20
Iron, Total	20000	24200	mg/kg	**21**	Q	20
Lead, Total	1140	1380	mg/kg	**21**	Q	20
Magnesium, Total	4860	5750	mg/kg	18		20
Manganese, Total	296	356	mg/kg	20		20
Zinc, Total	727	892	mg/kg	**23**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567767-6 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Aluminum, Total	6120	7250	mg/kg	18		20
Barium, Total	34.0	41.0	mg/kg	**21**	Q	20
Iron, Total	11600	14200	mg/kg	**22**	Q	20
Magnesium, Total	4850	6200	mg/kg	**28**	Q	20
Manganese, Total	228	278	mg/kg	**22**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1567767-6 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Calcium, Total	14400	15300	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-01
Client ID: B-1 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 07:45
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-02
Client ID: B-2 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 12:16
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-03
Client ID: B-3 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 12:55
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-04
Client ID: B-4 (5-6')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 10:20
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-05
Client ID: B-5 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 09:15
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-06
Client ID: B-6 (1-3')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 08:30
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	11/04/21 17:05	121,2540G	SB

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-07
Client ID: B-8 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 13:45
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	11/03/21 09:31	121,2540G	RI

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160059
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160059-08
Client ID: B-10 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/02/21 11:30
Date Received: 11/02/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	11/03/21 09:31	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160059

Report Date: 11/10/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-08 QC Batch ID: WG1566460-1 QC Sample: L2160059-07 Client ID: B-8 (0-2')						
Solids, Total	87.0	87.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1567339-1 QC Sample: L2160059-01 Client ID: B-1 (0-2')						
Solids, Total	92.4	92.6	%	0		20

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160059-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-01B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-01C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-01D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-01E	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2160059-01F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-02B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-02C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-02D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-02E	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2160059-02F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-03B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-03C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-03D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160059-03E	Glass 60mL/2oz unpreserved	A	NA		3.6	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),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2160059-03F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-04A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-04B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-04C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-04D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-04E	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2160059-04F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-05A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-05B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-05C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-05D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-05E	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2160059-05F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-06A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-06B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-06C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-06D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-06E	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160059
Report Date: 11/10/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160059-06F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-07A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14)
L2160059-07B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-07C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14)
L2160059-07D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2160059-07F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)
L2160059-08A	Vial MeOH preserved	A	NA		3.6	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260(14)
L2160059-08B	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14),NYTCL-8260(14)
L2160059-08C	Vial water preserved	A	NA		3.6	Y	Absent	03-NOV-21 08:01	NYTCL-8260HLW(14),NYTCL-8260(14)
L2160059-08D	Plastic 120ml unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2160059-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2160059-08F	Glass 120ml/4oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160059
Project Number:	0203563	**Report Date:**	11/10/21

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

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160059
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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:	2864 ATLANTIC AVE	**Lab Number:**	L2160059
Project Number:	0203563	**Report Date:**	11/10/21

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.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160059
Project Number:	0203563	**Report Date:**	11/10/21

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

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 11/02/21

ALPHA Job #: L2160059

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

Project Information

Project Name: 2864 Atlantic Ave
Project Location: 2864 Atlantic Avenue, Brooklyn, NY
Project # 0203563
(Use Project name as Project #)
Project Manager: Emily Snead
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☑ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☑ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

PLACE ON HOLD B-1, B-2, B-3, B-4, B-5, B-6

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL Volatiles	NYTCL Semi Volatiles	Total TAL Metals	Sample Specific Comments	Total Bottle
60059-01	B-1 (0-2')	11-2-21	0745	S	ZS	X	X	X	HOLD	6
-02	B-2 (1-3')	11-2-21	~~0812~~ 1216	S	ZS	X	X	X	HOLD	6
-03	B-3 (0-2')	11-2-21	1255	S	ZS	X	X	X	HOLD	6
-04	B-4 (5-6')	11-2-21	1020	S	ZS	X	X	X	HOLD	6
-05	B-5 (0-2')	11-2-21	0915	S	ZS	X	X	X	HOLD	6
-06	B-6 (1-3')	11-2-21	0830	S	ZS	X	X	X	HOLD	6
-07	B-8 (0-2')	11-2-21	1345	S	ZS	X	X	X		6
-08	B-10 (0-2')	11-2-21	1130	S	ZS	X	X	X		6

Container Type: V A A
Preservative: F A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11-2-21	MSMA (ANL)	11/2/21 15:29
MSMA (ANL)	11-2-21 18:00	JC & AAL	11/2 19:30
JC & AAL	11/2 23:30	[signature]	11/2/21 23:30

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2160258
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Emily Snead
Phone:	() -
Project Name:	2864 ATLANTIC AVE
Project Number:	0203563
Report Date:	11/10/21

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160258
Report Date: 11/10/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2160258-01	SV-1	SOIL_VAPOR	2864 ATLANTIC AVE, BROOKLYN, NY	11/03/21 09:33	11/03/21
L2160258-02	SV-2	SOIL_VAPOR	2864 ATLANTIC AVE, BROOKLYN, NY	11/03/21 09:49	11/03/21

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160258
Project Number:	0203563	**Report Date:**	11/10/21

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.

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160258
Project Number:	0203563	**Report Date:**	11/10/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 2, 2021. The canister certification results are provided as an addendum.

L2160258-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1569251-3 LCS recovery for benzyl chloride (142%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 11/10/21

AIR

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-01
Client ID: SV-1
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:33
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/10/21 01:53
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.514	0.200	--	2.54	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	2.15	1.00	--	5.11	2.38	--		1
Trichlorofluoromethane	0.337	0.200	--	1.89	1.12	--		1
Isopropanol	0.868	0.500	--	2.13	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	0.993	0.200	--	3.09	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

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-01
Client ID: SV-1
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:33
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.59	0.200	--	12.6	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.62	0.200	--	5.71	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.308	0.200	--	0.984	0.639	--		1
Carbon tetrachloride	0.338	0.200	--	2.13	1.26	--		1
Cyclohexane	0.608	0.200	--	2.09	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	0.405	0.200	--	1.89	0.934	--		1
Heptane	0.698	0.200	--	2.86	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	0.668	0.200	--	2.52	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	5.05	0.200	--	34.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-01
Client ID: SV-1
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:33
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.497	0.400	--	2.16	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.231	0.200	--	1.14	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	83		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	86		60-140

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-02 D
Client ID: SV-2
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:49
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/10/21 02:31
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	10.7	--	ND	52.9	--		53.42
Chloromethane	ND	10.7	--	ND	22.1	--		53.42
Freon-114	ND	10.7	--	ND	74.8	--		53.42
Vinyl chloride	ND	10.7	--	ND	27.4	--		53.42
1,3-Butadiene	ND	10.7	--	ND	23.7	--		53.42
Bromomethane	ND	10.7	--	ND	41.5	--		53.42
Chloroethane	ND	10.7	--	ND	28.2	--		53.42
Ethanol	ND	267	--	ND	503	--		53.42
Vinyl bromide	ND	10.7	--	ND	46.8	--		53.42
Acetone	ND	53.4	--	ND	127	--		53.42
Trichlorofluoromethane	ND	10.7	--	ND	60.1	--		53.42
Isopropanol	ND	26.7	--	ND	65.6	--		53.42
1,1-Dichloroethene	ND	10.7	--	ND	42.4	--		53.42
Tertiary butyl Alcohol	ND	26.7	--	ND	80.9	--		53.42
Methylene chloride	ND	26.7	--	ND	92.8	--		53.42
3-Chloropropene	ND	10.7	--	ND	33.5	--		53.42
Carbon disulfide	ND	10.7	--	ND	33.3	--		53.42
Freon-113	ND	10.7	--	ND	82.0	--		53.42
trans-1,2-Dichloroethene	ND	10.7	--	ND	42.4	--		53.42
1,1-Dichloroethane	ND	10.7	--	ND	43.3	--		53.42
Methyl tert butyl ether	ND	10.7	--	ND	38.6	--		53.42
2-Butanone	ND	26.7	--	ND	78.7	--		53.42
cis-1,2-Dichloroethene	ND	10.7	--	ND	42.4	--		53.42

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-02 D
Client ID: SV-2
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:49
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	26.7	--	ND	96.2	--		53.42
Chloroform	ND	10.7	--	ND	52.3	--		53.42
Tetrahydrofuran	ND	26.7	--	ND	78.7	--		53.42
1,2-Dichloroethane	ND	10.7	--	ND	43.3	--		53.42
n-Hexane	122	10.7	--	430	37.7	--		53.42
1,1,1-Trichloroethane	ND	10.7	--	ND	58.4	--		53.42
Benzene	15.4	10.7	--	49.2	34.2	--		53.42
Carbon tetrachloride	ND	10.7	--	ND	67.3	--		53.42
Cyclohexane	137	10.7	--	472	36.8	--		53.42
1,2-Dichloropropane	ND	10.7	--	ND	49.5	--		53.42
Bromodichloromethane	ND	10.7	--	ND	71.7	--		53.42
1,4-Dioxane	ND	10.7	--	ND	38.6	--		53.42
Trichloroethene	ND	10.7	--	ND	57.5	--		53.42
2,2,4-Trimethylpentane	3250	10.7	--	15200	50.0	--		53.42
Heptane	146	10.7	--	598	43.9	--		53.42
cis-1,3-Dichloropropene	ND	10.7	--	ND	48.6	--		53.42
4-Methyl-2-pentanone	ND	26.7	--	ND	109	--		53.42
trans-1,3-Dichloropropene	ND	10.7	--	ND	48.6	--		53.42
1,1,2-Trichloroethane	ND	10.7	--	ND	58.4	--		53.42
Toluene	49.9	10.7	--	188	40.3	--		53.42
2-Hexanone	ND	10.7	--	ND	43.9	--		53.42
Dibromochloromethane	ND	10.7	--	ND	91.2	--		53.42
1,2-Dibromoethane	ND	10.7	--	ND	82.2	--		53.42
Tetrachloroethene	ND	10.7	--	ND	72.6	--		53.42
Chlorobenzene	ND	10.7	--	ND	49.3	--		53.42
Ethylbenzene	12.1	10.7	--	52.6	46.5	--		53.42

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

SAMPLE RESULTS

Lab ID: L2160258-02 D
Client ID: SV-2
Sample Location: 2864 ATLANTIC AVE, BROOKLYN, NY

Date Collected: 11/03/21 09:49
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	91.4	21.4	--	397	93.0	--		53.42
Bromoform	ND	10.7	--	ND	111	--		53.42
Styrene	ND	10.7	--	ND	45.6	--		53.42
1,1,2,2-Tetrachloroethane	ND	10.7	--	ND	73.5	--		53.42
o-Xylene	71.9	10.7	--	312	46.5	--		53.42
4-Ethyltoluene	15.7	10.7	--	77.2	52.6	--		53.42
1,3,5-Trimethylbenzene	93.0	10.7	--	457	52.6	--		53.42
1,2,4-Trimethylbenzene	63.6	10.7	--	313	52.6	--		53.42
Benzyl chloride	ND	10.7	--	ND	55.4	--		53.42
1,3-Dichlorobenzene	ND	10.7	--	ND	64.3	--		53.42
1,4-Dichlorobenzene	ND	10.7	--	ND	64.3	--		53.42
1,2-Dichlorobenzene	ND	10.7	--	ND	64.3	--		53.42
1,2,4-Trichlorobenzene	ND	10.7	--	ND	79.4	--		53.42
Hexachlorobutadiene	ND	10.7	--	ND	114	--		53.42

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/09/21 20:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1569251-4								
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/09/21 20:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1569251-4								
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160258
Report Date: 11/10/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/09/21 20:11

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1569251-4								
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: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160258

Report Date: 11/10/21

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: WG1569251-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	92		-		70-130	-		
Acetone	106		-		40-160	-		
Trichlorofluoromethane	93		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	99		-		70-130	-		
Tertiary butyl Alcohol	96		-		70-130	-		
Methylene chloride	91		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	91		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	104		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160258

Report Date: 11/10/21

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: WG1569251-3								
Ethyl Acetate	115		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	101		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	110		-		70-130	-		
4-Methyl-2-pentanone	93		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	92		-		70-130	-		
2-Hexanone	96		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160258

Report Date: 11/10/21

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: WG1569251-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	115		-		70-130	-		
1,1,2,2-Tetrachloroethane	130		-		70-130	-		
o-Xylene	114		-		70-130	-		
4-Ethyltoluene	127		-		70-130	-		
1,3,5-Trimethylbenzene	120		-		70-130	-		
1,2,4-Trimethylbenzene	120		-		70-130	-		
Benzyl chloride	**142**	Q	-		70-130	-		
1,3-Dichlorobenzene	129		-		70-130	-		
1,4-Dichlorobenzene	130		-		70-130	-		
1,2-Dichlorobenzene	124		-		70-130	-		
1,2,4-Trichlorobenzene	106		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160258

Report Date: 11/10/21

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
L2160258-01	SV-1	02092	Flow 3	11/02/21	369138		-	-	-	Pass	18.0	19.5	8
L2160258-01	SV-1	3165	2.7L Can	11/02/21	369138	L2158701-02	Pass	-29.4	-4.2	-	-	-	-
L2160258-02	SV-2	01581	Flow 4	11/02/21	369138		-	-	-	Pass	18.0	18.4	2
L2160258-02	SV-2	3159	2.7L Can	11/02/21	369138	L2158701-02	Pass	-29.4	-4.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2158701
Report Date: 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/28/21 20:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2158701

Project Number: CANISTER QC BAT **Report Date:** 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2158701
Report Date: 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2158701
Report Date: 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2158701
Report Date: 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2158701
Report Date: 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/28/21 20:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2158701

Project Number: CANISTER QC BAT **Report Date:** 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	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 **Lab Number:** L2158701

Project Number: CANISTER QC BAT **Report Date:** 11/10/21

Air Canister Certification Results

Lab ID: L2158701-02
Client ID: CAN 148 SHELF 14
Sample Location:

Date Collected: 10/26/21 14:00
Date Received: 10/27/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160258
Report Date: 11/10/21

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	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160258-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2160258-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160258
Project Number:	0203563	**Report Date:**	11/10/21

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:	2864 ATLANTIC AVE	**Lab Number:**	L2160258
Project Number:	0203563	**Report Date:**	11/10/21

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:	2864 ATLANTIC AVE	**Lab Number:**	L2160258
Project Number:	0203563	**Report Date:**	11/10/21

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.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 11/4/21

ALPHA Job #: L2160258

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

Project Information

Project Name: 2864 Atlantic Ave
Project Location: 2864 Atlantic Ave, Brooklyn, NY
Project #: 0203563
Project Manager: Emily Snead
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
60258-01	SV-1	11-3-21	0733	0933	-30.66	-6.16	SV	ZS	2.7L	3165	02092	X					
02	SV-2	11-3-21	0749	0949	-29.97	-5.95	SV	ZS	2.7L	3159	01581	X					

*SAMPLE MATRIX CODES

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

Container Type: C5

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:
Mark Sinnl	11-3-21 / 11:30	Larry AAL	11-3-21 11:30
	11-3-21 / 1450		11/3/21 20:30
	11/4/21		11/4/21 0200
			11/4/21 0545

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2160326
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Emily Snead
Phone:	(646) 277-5685
Project Name:	2864 ATLANTIC AVE
Project Number:	0203563
Report Date:	11/17/21

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

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

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2160326-01	B-7 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/03/21 08:30	11/03/21
L2160326-02	B-9 (3-5')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/03/21 10:04	11/03/21
L2160326-03	B-11 (0-2')	SOIL	2864 ATLANTIC AVENUE, BROOKLYN, NY	11/03/21 11:09	11/03/21

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
Project Number:	0203563	**Report Date:**	11/17/21

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.

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
Project Number:	0203563	**Report Date:**	11/17/21

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.

Sample Receipt

L2160326-01, -02 and -03: The collection date on the chain of custody was 02-NOV-21; however, the collection date on the container label was 03-NOV-21. At the client's request, the collection date is reported as 03-NOV-21.

Semivolatile Organics

L2160326-03D: The sample has elevated detection limits due to the dilution required by the sample matrix.
The WG1571217-2/-3 LCS/LCSD recoveries, associated with L2160326-01D2, -01D, -02D, and -03D, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2160326-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1569663-3 MS recoveries, performed on L2160326-01, are outside the acceptance criteria for selenium (64%) and silver (63%). A post digestion spike was performed and was within acceptance criteria.
The WG1569663-3 MS recovery, performed on L2160326-01, is outside the acceptance criteria for barium (60%). A post digestion spike was performed and yielded an unacceptable recovery for barium (75%). The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
The WG1569663-3 MS recoveries for aluminum (496%), calcium (266%), iron (726%), lead (0%), magnesium (0%), manganese (0%), and zinc (10%), performed on L2160326-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Case Narrative (continued)

The WG1569663-3 MS recoveries, performed on L2160326-01, are outside the acceptance criteria for antimony (50%), beryllium (63%), cadmium (53%), chromium (25%), cobalt (50%), nickel (46%), thallium (50%), and vanadium (59%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (76%), beryllium (76%), cadmium (71%), chromium (70%), cobalt (67%), nickel (67%), thallium (70%), and vanadium (74%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1569663-4 Laboratory Duplicate RPDs for barium (22%), manganese (46%), potassium (54%) and sodium (23%), performed on L2160326-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1569664-4 Laboratory Duplicate RPD for mercury (23%), performed on L2160326-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1569663-6 serial dilution analysis, associated with L2160326-01, had a %D above the acceptance criteria for aluminum (24%), barium (24%), calcium (21%), lead (54%), magnesium (22%), manganese (21%) and zinc (55%).

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

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 11/17/21

ORGANICS

VOLATILES

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/13/21 18:25
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01 Date Collected: 11/03/21 08:30

Client ID: B-7 (0-2') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC 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	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	10		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 08:30
Date Received: 11/03/21
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	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02
Client ID: B-9 (3-5')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 10:04
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/14/21 15:45
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02 Date Collected: 11/03/21 10:04

Client ID: B-9 (3-5') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC 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	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	5.8		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02 Date Collected: 11/03/21 10:04

Client ID: B-9 (3-5') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC 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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.37	J	ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03
Client ID: B-11 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 11:09
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/14/21 16:11
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	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	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03 Date Collected: 11/03/21 11:09

Client ID: B-11 (0-2') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC 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	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03 Date Collected: 11/03/21 11:09

Client ID: B-11 (0-2') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC 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	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/21 10:04
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1571139-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/21 10:04
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1571139-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/13/21 10:04
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1571139-5					
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	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1571289-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1571289-5					
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: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/14/21 07:51
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1571289-5					
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	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1571139-3 WG1571139-4								
Methylene chloride	94		97		70-130	3		30
1,1-Dichloroethane	101		103		70-130	2		30
Chloroform	102		101		70-130	1		30
Carbon tetrachloride	102		104		70-130	2		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	92		97		70-130	5		30
1,1,2-Trichloroethane	97		101		70-130	4		30
Tetrachloroethene	105		105		70-130	0		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	98		98		70-139	0		30
1,2-Dichloroethane	96		101		70-130	5		30
1,1,1-Trichloroethane	104		106		70-130	2		30
Bromodichloromethane	102		106		70-130	4		30
trans-1,3-Dichloropropene	95		99		70-130	4		30
cis-1,3-Dichloropropene	96		100		70-130	4		30
1,1-Dichloropropene	105		106		70-130	1		30
Bromoform	90		95		70-130	5		30
1,1,2,2-Tetrachloroethane	94		101		70-130	7		30
Benzene	100		103		70-130	3		30
Toluene	103		103		70-130	0		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	94		94		52-130	0		30
Bromomethane	85		84		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1571139-3 WG1571139-4								
Vinyl chloride	92		91		67-130	1		30
Chloroethane	93		91		50-151	2		30
1,1-Dichloroethene	98		99		65-135	1		30
trans-1,2-Dichloroethene	100		102		70-130	2		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	100		103		70-130	3		30
1,3-Dichlorobenzene	103		105		70-130	2		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	96		102		66-130	6		30
p/m-Xylene	108		109		70-130	1		30
o-Xylene	108		110		70-130	2		30
cis-1,2-Dichloroethene	99		101		70-130	2		30
Dibromomethane	93		98		70-130	5		30
Styrene	110		113		70-130	3		30
Dichlorodifluoromethane	96		97		30-146	1		30
Acetone	62		67		54-140	8		30
Carbon disulfide	91		93		59-130	2		30
2-Butanone	**66**	Q	75		70-130	13		30
Vinyl acetate	93		100		70-130	7		30
4-Methyl-2-pentanone	78		85		70-130	9		30
1,2,3-Trichloropropane	96		100		68-130	4		30
2-Hexanone	70		77		70-130	10		30
Bromochloromethane	97		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1571139-3 WG1571139-4								
2,2-Dichloropropane	107		109		70-130	2		30
1,2-Dibromoethane	91		95		70-130	4		30
1,3-Dichloropropane	99		103		69-130	4		30
1,1,1,2-Tetrachloroethane	108		110		70-130	2		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	111		111		70-130	0		30
sec-Butylbenzene	108		108		70-130	0		30
tert-Butylbenzene	110		110		70-130	0		30
o-Chlorotoluene	106		107		70-130	1		30
p-Chlorotoluene	108		109		70-130	1		30
1,2-Dibromo-3-chloropropane	77		82		68-130	6		30
Hexachlorobutadiene	107		107		67-130	0		30
Isopropylbenzene	111		111		70-130	0		30
p-Isopropyltoluene	113		113		70-130	0		30
Naphthalene	98		104		70-130	6		30
Acrylonitrile	86		92		70-130	7		30
n-Propylbenzene	110		110		70-130	0		30
1,2,3-Trichlorobenzene	101		104		70-130	3		30
1,2,4-Trichlorobenzene	104		106		70-130	2		30
1,3,5-Trimethylbenzene	112		113		70-130	1		30
1,2,4-Trimethylbenzene	112		113		70-130	1		30
1,4-Dioxane	75		86		65-136	14		30
p-Diethylbenzene	112		112		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1571139-3 WG1571139-4								
p-Ethyltoluene	111		111		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		30
Ethyl ether	77		79		67-130	3		30
trans-1,4-Dichloro-2-butene	100		107		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		98		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	93		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1571289-3 WG1571289-4								
Methylene chloride	82		83		70-130	1		30
1,1-Dichloroethane	91		90		70-130	1		30
Chloroform	94		94		70-130	0		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	88		89		70-130	1		30
Dibromochloromethane	84		88		70-130	5		30
1,1,2-Trichloroethane	88		91		70-130	3		30
Tetrachloroethene	98		97		70-130	1		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	90		93		70-130	3		30
1,1,1-Trichloroethane	102		100		70-130	2		30
Bromodichloromethane	93		96		70-130	3		30
trans-1,3-Dichloropropene	86		88		70-130	2		30
cis-1,3-Dichloropropene	86		87		70-130	1		30
1,1-Dichloropropene	99		98		70-130	1		30
Bromoform	82		86		70-130	5		30
1,1,2,2-Tetrachloroethane	83		88		70-130	6		30
Benzene	90		89		70-130	1		30
Toluene	92		90		70-130	2		30
Ethylbenzene	97		94		70-130	3		30
Chloromethane	86		83		52-130	4		30
Bromomethane	75		71		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1571289-3 WG1571289-4								
Vinyl chloride	87		83		67-130	5		30
Chloroethane	85		80		50-151	6		30
1,1-Dichloroethene	93		91		65-135	2		30
trans-1,2-Dichloroethene	91		88		70-130	3		30
Trichloroethene	94		93		70-130	1		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	90		90		70-130	0		30
Methyl tert butyl ether	86		92		66-130	7		30
p/m-Xylene	98		96		70-130	2		30
o-Xylene	98		97		70-130	1		30
cis-1,2-Dichloroethene	89		88		70-130	1		30
Dibromomethane	85		90		70-130	6		30
Styrene	100		100		70-130	0		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	67		74		54-140	10		30
Carbon disulfide	88		86		59-130	2		30
2-Butanone	**63**	Q	72		70-130	13		30
Vinyl acetate	86		90		70-130	5		30
4-Methyl-2-pentanone	72		79		70-130	9		30
1,2,3-Trichloropropane	84		88		68-130	5		30
2-Hexanone	**62**	Q	72		70-130	15		30
Bromochloromethane	89		89		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1571289-3 WG1571289-4								
2,2-Dichloropropane	103		100		70-130	3		30
1,2-Dibromoethane	81		86		70-130	6		30
1,3-Dichloropropane	87		92		69-130	6		30
1,1,1,2-Tetrachloroethane	99		97		70-130	2		30
Bromobenzene	91		89		70-130	2		30
n-Butylbenzene	102		99		70-130	3		30
sec-Butylbenzene	100		96		70-130	4		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	95		92		70-130	3		30
p-Chlorotoluene	96		94		70-130	2		30
1,2-Dibromo-3-chloropropane	71		79		68-130	11		30
Hexachlorobutadiene	102		99		67-130	3		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	102		100		70-130	2		30
Naphthalene	87		93		70-130	7		30
Acrylonitrile	80		87		70-130	8		30
n-Propylbenzene	99		96		70-130	3		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	96		97		70-130	1		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	100		98		70-130	2		30
1,4-Dioxane	83		92		65-136	10		30
p-Diethylbenzene	106		103		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1571289-3 WG1571289-4								
p-Ethyltoluene	103		100		70-130	3		30
1,2,4,5-Tetramethylbenzene	102		101		70-130	1		30
Ethyl ether	69		68		67-130	1		30
trans-1,4-Dichloro-2-butene	91		100		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01 D2
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/17/21 00:55
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	84000		ug/kg	2100	410	20
Benzo(a)anthracene	56000		ug/kg	2100	400	20
Benzo(b)fluoranthene	61000		ug/kg	2100	600	20
Phenanthrene	67000		ug/kg	2100	430	20
Pyrene	88000		ug/kg	2100	350	20

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01 D
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/16/21 06:10
Analyst: EK
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5100		ug/kg	710	92.	5
1,2,4-Trichlorobenzene	ND		ug/kg	890	100	5
Hexachlorobenzene	ND		ug/kg	530	99.	5
Bis(2-chloroethyl)ether	ND		ug/kg	800	120	5
2-Chloronaphthalene	ND		ug/kg	890	88.	5
1,2-Dichlorobenzene	ND		ug/kg	890	160	5
1,3-Dichlorobenzene	ND		ug/kg	890	150	5
1,4-Dichlorobenzene	ND		ug/kg	890	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	890	240	5
2,4-Dinitrotoluene	ND		ug/kg	890	180	5
2,6-Dinitrotoluene	ND		ug/kg	890	150	5
Fluoranthene	61000	E	ug/kg	530	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	890	95.	5
4-Bromophenyl phenyl ether	ND		ug/kg	890	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	89.	5
Hexachlorobutadiene	ND		ug/kg	890	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	800	5
Hexachloroethane	ND		ug/kg	710	140	5
Isophorone	ND		ug/kg	800	120	5
Naphthalene	1500		ug/kg	890	110	5
Nitrobenzene	ND		ug/kg	800	130	5
NDPA/DPA	ND		ug/kg	710	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	890	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	890	310	5
Butyl benzyl phthalate	ND		ug/kg	890	220	5
Di-n-butylphthalate	ND		ug/kg	890	170	5
Di-n-octylphthalate	ND		ug/kg	890	300	5

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01 D Date Collected: 11/03/21 08:30

Client ID: B-7 (0-2') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	890	82.	5
Dimethyl phthalate	ND		ug/kg	890	190	5
Benzo(a)anthracene	38000	E	ug/kg	530	100	5
Benzo(a)pyrene	32000		ug/kg	710	220	5
Benzo(b)fluoranthene	40000	E	ug/kg	530	150	5
Benzo(k)fluoranthene	12000		ug/kg	530	140	5
Chrysene	32000		ug/kg	530	92.	5
Acenaphthylene	9000		ug/kg	710	140	5
Anthracene	19000		ug/kg	530	170	5
Benzo(ghi)perylene	25000		ug/kg	710	100	5
Fluorene	5700		ug/kg	890	86.	5
Phenanthrene	46000	E	ug/kg	530	110	5
Dibenzo(a,h)anthracene	8100		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	28000		ug/kg	710	120	5
Pyrene	62000	E	ug/kg	530	88.	5
Biphenyl	400	J	ug/kg	2000	210	5
4-Chloroaniline	ND		ug/kg	890	160	5
2-Nitroaniline	ND		ug/kg	890	170	5
3-Nitroaniline	ND		ug/kg	890	170	5
4-Nitroaniline	ND		ug/kg	890	370	5
Dibenzofuran	2600		ug/kg	890	84.	5
2-Methylnaphthalene	1400		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	890	93.	5
Acetophenone	ND		ug/kg	890	110	5
2,4,6-Trichlorophenol	ND		ug/kg	530	170	5
p-Chloro-m-cresol	ND		ug/kg	890	130	5
2-Chlorophenol	ND		ug/kg	890	100	5
2,4-Dichlorophenol	ND		ug/kg	800	140	5
2,4-Dimethylphenol	ND		ug/kg	890	290	5
2-Nitrophenol	ND		ug/kg	1900	330	5
4-Nitrophenol	ND		ug/kg	1200	360	5
2,4-Dinitrophenol	ND		ug/kg	4300	410	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	710	200	5
Phenol	200	J	ug/kg	890	130	5
2-Methylphenol	ND		ug/kg	890	140	5
3-Methylphenol/4-Methylphenol	520	J	ug/kg	1300	140	5

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01 D
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 08:30
Date Received: 11/03/21
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	890	170	5
Benzoic Acid	ND		ug/kg	2900	900	5
Benzyl Alcohol	ND		ug/kg	890	270	5
Carbazole	4900		ug/kg	890	86.	5
1,4-Dioxane	ND		ug/kg	130	41.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	110		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02 D
Client ID: B-9 (3-5')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/03/21 10:04
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/16/21 07:16
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3500		ug/kg	710	92.	5
1,2,4-Trichlorobenzene	ND		ug/kg	880	100	5
Hexachlorobenzene	ND		ug/kg	530	99.	5
Bis(2-chloroethyl)ether	ND		ug/kg	800	120	5
2-Chloronaphthalene	ND		ug/kg	880	88.	5
1,2-Dichlorobenzene	ND		ug/kg	880	160	5
1,3-Dichlorobenzene	ND		ug/kg	880	150	5
1,4-Dichlorobenzene	ND		ug/kg	880	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	880	240	5
2,4-Dinitrotoluene	ND		ug/kg	880	180	5
2,6-Dinitrotoluene	ND		ug/kg	880	150	5
Fluoranthene	32000		ug/kg	530	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	880	95.	5
4-Bromophenyl phenyl ether	ND		ug/kg	880	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	89.	5
Hexachlorobutadiene	ND		ug/kg	880	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	800	5
Hexachloroethane	ND		ug/kg	710	140	5
Isophorone	ND		ug/kg	800	110	5
Naphthalene	3500		ug/kg	880	110	5
Nitrobenzene	ND		ug/kg	800	130	5
NDPA/DPA	ND		ug/kg	710	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	880	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	880	310	5
Butyl benzyl phthalate	ND		ug/kg	880	220	5
Di-n-butylphthalate	ND		ug/kg	880	170	5
Di-n-octylphthalate	ND		ug/kg	880	300	5

Project Name: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02 D Date Collected: 11/03/21 10:04

Client ID: B-9 (3-5') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	880	82.	5
Dimethyl phthalate	ND		ug/kg	880	180	5
Benzo(a)anthracene	17000		ug/kg	530	100	5
Benzo(a)pyrene	15000		ug/kg	710	220	5
Benzo(b)fluoranthene	18000		ug/kg	530	150	5
Benzo(k)fluoranthene	5400		ug/kg	530	140	5
Chrysene	17000		ug/kg	530	92.	5
Acenaphthylene	760		ug/kg	710	140	5
Anthracene	7600		ug/kg	530	170	5
Benzo(ghi)perylene	11000		ug/kg	710	100	5
Fluorene	3600		ug/kg	880	86.	5
Phenanthrene	32000		ug/kg	530	110	5
Dibenzo(a,h)anthracene	2700		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	11000		ug/kg	710	120	5
Pyrene	32000		ug/kg	530	88.	5
Biphenyl	390	J	ug/kg	2000	200	5
4-Chloroaniline	ND		ug/kg	880	160	5
2-Nitroaniline	ND		ug/kg	880	170	5
3-Nitroaniline	ND		ug/kg	880	170	5
4-Nitroaniline	ND		ug/kg	880	370	5
Dibenzofuran	2200		ug/kg	880	84.	5
2-Methylnaphthalene	1700		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	880	92.	5
Acetophenone	ND		ug/kg	880	110	5
2,4,6-Trichlorophenol	ND		ug/kg	530	170	5
p-Chloro-m-cresol	ND		ug/kg	880	130	5
2-Chlorophenol	ND		ug/kg	880	100	5
2,4-Dichlorophenol	ND		ug/kg	800	140	5
2,4-Dimethylphenol	ND		ug/kg	880	290	5
2-Nitrophenol	ND		ug/kg	1900	330	5
4-Nitrophenol	ND		ug/kg	1200	360	5
2,4-Dinitrophenol	ND		ug/kg	4200	410	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	420	5
Pentachlorophenol	ND		ug/kg	710	190	5
Phenol	ND		ug/kg	880	130	5
2-Methylphenol	ND		ug/kg	880	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02 D
Client ID: B-9 (3-5')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 10:04
Date Received: 11/03/21
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	880	170	5
Benzoic Acid	ND		ug/kg	2900	900	5
Benzyl Alcohol	ND		ug/kg	880	270	5
Carbazole	2700		ug/kg	880	86.	5
1,4-Dioxane	ND		ug/kg	130	41.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	59		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03 D
Client ID: B-11 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 11/03/21 11:09
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/16/21 03:16
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	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	3800		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	ND		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: 2864 ATLANTIC AVE **Lab Number:** L2160326

Project Number: 0203563 **Report Date:** 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03 D Date Collected: 11/03/21 11:09

Client ID: B-11 (0-2') Date Received: 11/03/21

Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	2000		ug/kg	550	100	5
Benzo(a)pyrene	1500		ug/kg	740	220	5
Benzo(b)fluoranthene	2000		ug/kg	550	150	5
Benzo(k)fluoranthene	510	J	ug/kg	550	150	5
Chrysene	2200		ug/kg	550	96.	5
Acenaphthylene	ND		ug/kg	740	140	5
Anthracene	470	J	ug/kg	550	180	5
Benzo(ghi)perylene	900		ug/kg	740	110	5
Fluorene	180	J	ug/kg	920	89.	5
Phenanthrene	2800		ug/kg	550	110	5
Dibenzo(a,h)anthracene	210	J	ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	910		ug/kg	740	130	5
Pyrene	3800		ug/kg	550	91.	5
Biphenyl	ND		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	ND		ug/kg	920	87.	5
2-Methylnaphthalene	ND		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	380	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03 D
Client ID: B-11 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 11:09
Date Received: 11/03/21
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	920	180	5
Benzoic Acid	ND		ug/kg	3000	930	5
Benzyl Alcohol	ND		ug/kg	920	280	5
Carbazole	160	J	ug/kg	920	89.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	107		18-120

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/16/21 00:42
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1571217-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/16/21 00:42
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1571217-1					
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	62.

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/16/21 00:42
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/14/21 10:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1571217-1					
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	93		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	120		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1571217-2 WG1571217-3								
Acenaphthene	99		103		31-137	4		50
1,2,4-Trichlorobenzene	97		105		38-107	8		50
Hexachlorobenzene	101		104		40-140	3		50
Bis(2-chloroethyl)ether	84		92		40-140	9		50
2-Chloronaphthalene	107		113		40-140	5		50
1,2-Dichlorobenzene	88		95		40-140	8		50
1,3-Dichlorobenzene	87		94		40-140	8		50
1,4-Dichlorobenzene	87		94		28-104	8		50
3,3'-Dichlorobenzidine	92		82		40-140	11		50
2,4-Dinitrotoluene	106		116		40-132	9		50
2,6-Dinitrotoluene	106		113		40-140	6		50
Fluoranthene	110		114		40-140	4		50
4-Chlorophenyl phenyl ether	109		113		40-140	4		50
4-Bromophenyl phenyl ether	106		112		40-140	6		50
Bis(2-chloroisopropyl)ether	91		98		40-140	7		50
Bis(2-chloroethoxy)methane	88		93		40-117	6		50
Hexachlorobutadiene	105		116		40-140	10		50
Hexachlorocyclopentadiene	99		107		40-140	8		50
Hexachloroethane	84		90		40-140	7		50
Isophorone	92		96		40-140	4		50
Naphthalene	95		104		40-140	9		50
Nitrobenzene	93		102		40-140	9		50
NDPA/DPA	108		110		36-157	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1571217-2 WG1571217-3								
n-Nitrosodi-n-propylamine	95		99		32-121	4		50
Bis(2-ethylhexyl)phthalate	98		103		40-140	5		50
Butyl benzyl phthalate	108		114		40-140	5		50
Di-n-butylphthalate	108		111		40-140	3		50
Di-n-octylphthalate	98		104		40-140	6		50
Diethyl phthalate	104		107		40-140	3		50
Dimethyl phthalate	110		114		40-140	4		50
Benzo(a)anthracene	105		111		40-140	6		50
Benzo(a)pyrene	102		112		40-140	9		50
Benzo(b)fluoranthene	97		104		40-140	7		50
Benzo(k)fluoranthene	110		119		40-140	8		50
Chrysene	100		107		40-140	7		50
Acenaphthylene	106		110		40-140	4		50
Anthracene	104		108		40-140	4		50
Benzo(ghi)perylene	110		115		40-140	4		50
Fluorene	106		110		40-140	4		50
Phenanthrene	102		106		40-140	4		50
Dibenzo(a,h)anthracene	118		123		40-140	4		50
Indeno(1,2,3-cd)pyrene	116		122		40-140	5		50
Pyrene	108		114		35-142	5		50
Biphenyl	103		108		37-127	5		50
4-Chloroaniline	81		74		40-140	9		50
2-Nitroaniline	99		105		47-134	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1571217-2 WG1571217-3								
3-Nitroaniline	85		79		26-129	7		50
4-Nitroaniline	99		103		41-125	4		50
Dibenzofuran	102		106		40-140	4		50
2-Methylnaphthalene	100		106		40-140	6		50
1,2,4,5-Tetrachlorobenzene	110		117		40-117	6		50
Acetophenone	87		94		14-144	8		50
2,4,6-Trichlorophenol	110		116		30-130	5		50
p-Chloro-m-cresol	101		**107**	Q	26-103	6		50
2-Chlorophenol	97		**104**	Q	25-102	7		50
2,4-Dichlorophenol	104		110		30-130	6		50
2,4-Dimethylphenol	101		104		30-130	3		50
2-Nitrophenol	95		102		30-130	7		50
4-Nitrophenol	98		103		11-114	5		50
2,4-Dinitrophenol	69		57		4-130	19		50
4,6-Dinitro-o-cresol	108		113		10-130	5		50
Pentachlorophenol	95		100		17-109	5		50
Phenol	**103**	Q	**110**	Q	26-90	7		50
2-Methylphenol	96		103		30-130.	7		50
3-Methylphenol/4-Methylphenol	93		100		30-130	7		50
2,4,5-Trichlorophenol	112		121		30-130	8		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	99		105		40-140	6		50
Carbazole	101		106		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1571217-2 WG1571217-3								
1,4-Dioxane	68		72		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	99		107		25-120
Phenol-d6	104		110		10-120
Nitrobenzene-d5	90		98		23-120
2-Fluorobiphenyl	112		114		30-120
2,4,6-Tribromophenol	106		108		10-136
4-Terphenyl-d14	120		**126**	Q	18-120

METALS

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5700		mg/kg	8.42	2.27	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Antimony, Total	0.606	J	mg/kg	4.21	0.320	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Arsenic, Total	5.61		mg/kg	0.842	0.175	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Barium, Total	154		mg/kg	0.842	0.146	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Beryllium, Total	0.429		mg/kg	0.421	0.028	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Cadmium, Total	1.10		mg/kg	0.842	0.083	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Calcium, Total	29400		mg/kg	8.42	2.95	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Chromium, Total	16.3		mg/kg	0.842	0.081	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Cobalt, Total	4.02		mg/kg	1.68	0.140	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Copper, Total	38.6		mg/kg	0.842	0.217	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Iron, Total	14000		mg/kg	4.21	0.760	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Lead, Total	416		mg/kg	4.21	0.226	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Magnesium, Total	9690		mg/kg	8.42	1.30	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Manganese, Total	391		mg/kg	0.842	0.134	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Mercury, Total	0.234		mg/kg	0.073	0.047	1	11/10/21 22:03	11/11/21 10:59	EPA 7471B	1,7471B	AC
Nickel, Total	11.7		mg/kg	2.10	0.204	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Potassium, Total	651		mg/kg	210	12.1	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Selenium, Total	0.455	J	mg/kg	1.68	0.217	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.842	0.238	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Sodium, Total	322		mg/kg	168	2.65	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.68	0.265	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Vanadium, Total	19.3		mg/kg	0.842	0.171	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD
Zinc, Total	173		mg/kg	4.21	0.247	2	11/10/21 21:07	11/16/21 15:56	EPA 3050B	1,6010D	GD

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02
Client ID: B-9 (3-5')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 10:04
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4110		mg/kg	8.59	2.32	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.29	0.326	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Arsenic, Total	7.35		mg/kg	0.859	0.179	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Barium, Total	57.6		mg/kg	0.859	0.149	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Beryllium, Total	0.232	J	mg/kg	0.429	0.028	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Cadmium, Total	0.507	J	mg/kg	0.859	0.084	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Calcium, Total	39700		mg/kg	8.59	3.01	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Chromium, Total	16.6		mg/kg	0.859	0.082	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Cobalt, Total	3.24		mg/kg	1.72	0.142	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Copper, Total	42.3		mg/kg	0.859	0.222	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Iron, Total	9720		mg/kg	4.29	0.776	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Lead, Total	120		mg/kg	4.29	0.230	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Magnesium, Total	17200		mg/kg	8.59	1.32	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Manganese, Total	179		mg/kg	0.859	0.136	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Mercury, Total	0.197		mg/kg	0.084	0.054	1	11/10/21 22:03	11/11/21 11:54	EPA 7471B	1,7471B	AC
Nickel, Total	11.6		mg/kg	2.15	0.208	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Potassium, Total	458		mg/kg	215	12.4	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Selenium, Total	0.438	J	mg/kg	1.72	0.222	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.859	0.243	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Sodium, Total	289		mg/kg	172	2.70	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.72	0.270	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Vanadium, Total	19.7		mg/kg	0.859	0.174	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD
Zinc, Total	99.9		mg/kg	4.29	0.252	2	11/10/21 21:07	11/16/21 16:20	EPA 3050B	1,6010D	GD

Project Name: 2864 ATLANTIC AVE
Lab Number: L2160326
Project Number: 0203563
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03
Client ID: B-11 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Date Collected: 11/03/21 11:09
Date Received: 11/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5480		mg/kg	8.47	2.29	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Antimony, Total	0.373	J	mg/kg	4.24	0.322	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Arsenic, Total	4.30		mg/kg	0.847	0.176	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Barium, Total	54.1		mg/kg	0.847	0.147	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Beryllium, Total	0.271	J	mg/kg	0.424	0.028	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Cadmium, Total	1.24		mg/kg	0.847	0.083	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Calcium, Total	30200		mg/kg	8.47	2.96	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Chromium, Total	12.6		mg/kg	0.847	0.081	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Cobalt, Total	4.05		mg/kg	1.69	0.141	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Copper, Total	27.9		mg/kg	0.847	0.219	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Iron, Total	13700		mg/kg	4.24	0.765	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Lead, Total	194		mg/kg	4.24	0.227	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Magnesium, Total	8630		mg/kg	8.47	1.30	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Manganese, Total	246		mg/kg	0.847	0.135	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Mercury, Total	0.205		mg/kg	0.087	0.056	1	11/10/21 22:03	11/11/21 11:58	EPA 7471B	1,7471B	AC
Nickel, Total	15.0		mg/kg	2.12	0.205	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Potassium, Total	356		mg/kg	212	12.2	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Selenium, Total	0.254	J	mg/kg	1.69	0.219	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.847	0.240	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Sodium, Total	206		mg/kg	169	2.67	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.69	0.267	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Vanadium, Total	22.6		mg/kg	0.847	0.172	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD
Zinc, Total	123		mg/kg	4.24	0.248	2	11/10/21 21:07	11/16/21 16:25	EPA 3050B	1,6010D	GD

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1569663-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Iron, Total	0.868	J	mg/kg	2.00	0.361	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/10/21 21:07	11/16/21 15:46	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1569664-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/10/21 22:03	11/11/21 10:52	1,7471B	AC

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1569663-2 SRM Lot Number: D109-540								
Aluminum, Total	76		-		50-150	-		
Antimony, Total	94		-		19-250	-		
Arsenic, Total	103		-		70-130	-		
Barium, Total	97		-		75-125	-		
Beryllium, Total	96		-		75-125	-		
Cadmium, Total	96		-		75-125	-		
Calcium, Total	99		-		73-128	-		
Chromium, Total	98		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	118		-		35-165	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	91		-		62-138	-		
Manganese, Total	97		-		74-126	-		
Nickel, Total	96		-		70-130	-		
Potassium, Total	88		-		59-141	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	99		-		68-131	-		
Sodium, Total	97		-		35-165	-		
Thallium, Total	96		-		68-131	-		
Vanadium, Total	106		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1569663-2 SRM Lot Number: D109-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1569664-2 SRM Lot Number: D109-540					
Mercury, Total	87	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

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): 01-03 QC Batch ID: WG1569663-3 QC Sample: L2160326-01 Client ID: B-7 (0-2')												
Aluminum, Total	5700	165	6520	**496**	Q	-	-		75-125	-		20
Antimony, Total	0.606J	41.3	20.5	**50**	Q	-	-		75-125	-		20
Arsenic, Total	5.61	9.92	13.2	76		-	-		75-125	-		20
Barium, Total	154	165	254	**60**	Q	-	-		75-125	-		20
Beryllium, Total	0.429	4.13	3.05	**63**	Q	-	-		75-125	-		20
Cadmium, Total	1.10	4.38	3.41	**53**	Q	-	-		75-125	-		20
Calcium, Total	29400	826	31600	**266**	Q	-	-		75-125	-		20
Chromium, Total	16.3	16.5	20.4	**25**	Q	-	-		75-125	-		20
Cobalt, Total	4.02	41.3	24.7	**50**	Q	-	-		75-125	-		20
Copper, Total	38.6	20.7	60.1	104		-	-		75-125	-		20
Iron, Total	14000	82.6	14600	**726**	Q	-	-		75-125	-		20
Lead, Total	416	43.8	416	**0**	Q	-	-		75-125	-		20
Magnesium, Total	9690	826	8740	**0**	Q	-	-		75-125	-		20
Manganese, Total	391	41.3	356	**0**	Q	-	-		75-125	-		20
Nickel, Total	11.7	41.3	30.6	**46**	Q	-	-		75-125	-		20
Potassium, Total	651	826	1310	80		-	-		75-125	-		20
Selenium, Total	0.455J	9.92	6.35	**64**	Q	-	-		75-125	-		20
Silver, Total	ND	24.8	15.7	**63**	Q	-	-		75-125	-		20
Sodium, Total	322	826	995	81		-	-		75-125	-		20
Thallium, Total	ND	9.92	4.98	**50**	Q	-	-		75-125	-		20
Vanadium, Total	19.3	41.3	43.7	**59**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

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): 01-03 QC Batch ID: WG1569663-3 QC Sample: L2160326-01 Client ID: B-7 (0-2')										
Zinc, Total	173	41.3	177	**10**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569664-3 QC Sample: L2160326-01 Client ID: B-7 (0-2')										
Mercury, Total	0.234	0.177	0.381	83		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569663-4 QC Sample: L2160326-01 Client ID: B-7 (0-2')						
Aluminum, Total	5700	4960	mg/kg	14		20
Antimony, Total	0.606J	0.350J	mg/kg	NC		20
Arsenic, Total	5.61	5.39	mg/kg	4		20
Barium, Total	154	192	mg/kg	**22**	Q	20
Beryllium, Total	0.429	0.392J	mg/kg	NC		20
Cadmium, Total	1.10	0.904	mg/kg	20		20
Calcium, Total	29400	28200	mg/kg	4		20
Chromium, Total	16.3	15.9	mg/kg	2		20
Cobalt, Total	4.02	3.31	mg/kg	19		20
Copper, Total	38.6	36.6	mg/kg	5		20
Iron, Total	14000	13600	mg/kg	3		20
Lead, Total	416	363	mg/kg	14		20
Magnesium, Total	9690	9760	mg/kg	1		20
Manganese, Total	391	244	mg/kg	**46**	Q	20
Nickel, Total	11.7	11.5	mg/kg	2		20
Potassium, Total	651	374	mg/kg	**54**	Q	20
Selenium, Total	0.455J	0.443J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	322	255	mg/kg	**23**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569663-4 QC Sample: L2160326-01 Client ID: B-7 (0-2')						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	19.3	16.4	mg/kg	16		20
Zinc, Total	173	162	mg/kg	7		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569664-4 QC Sample: L2160326-01 Client ID: B-7 (0-2')						
Mercury, Total	0.234	0.295	mg/kg	**23**	Q	20

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2160326
Report Date: 11/17/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1569663-6 QC Sample: L2160326-01 Client ID: B-7 (0-2')						
Aluminum, Total	5700	4310	mg/kg	**24**	Q	20
Barium, Total	154	117	mg/kg	**24**	Q	20
Calcium, Total	29400	23300	mg/kg	**21**	Q	20
Copper, Total	38.6	44.4	mg/kg	15		20
Iron, Total	14000	11400	mg/kg	19		20
Lead, Total	416	642	mg/kg	**54**	Q	20
Magnesium, Total	9690	11800	mg/kg	**22**	Q	20
Manganese, Total	391	308	mg/kg	**21**	Q	20
Zinc, Total	173	269	mg/kg	**55**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-01
Client ID: B-7 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 08:30
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	11/11/21 12:10	121,2540G	RI

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-02
Client ID: B-9 (3-5')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 10:04
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	11/11/21 12:10	121,2540G	RI

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563
Lab Number: L2160326
Report Date: 11/17/21

SAMPLE RESULTS

Lab ID: L2160326-03
Client ID: B-11 (0-2')
Sample Location: 2864 ATLANTIC AVENUE, BROOKLYN, NY
Sample Depth:
Matrix: Soil

Date Collected: 11/03/21 11:09
Date Received: 11/03/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	11/11/21 12:10	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 2864 ATLANTIC AVE

Project Number: 0203563

Lab Number: L2160326

Report Date: 11/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1570130-1 QC Sample: L2161672-02 Client ID: DUP Sample						
Solids, Total	75.7	75.1	%	1		20

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160326-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2160326-01B	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-01C	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-01D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2160326-01E	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-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)
L2160326-01F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2160326-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2160326-02B	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-02C	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-02D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)
L2160326-02E	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2160326-02F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)
L2160326-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2160326-03B	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-03C	Vial water preserved	A	NA		3.3	Y	Absent	04-NOV-21 01:17	NYTCL-8260HLW(14)
L2160326-03D	Plastic 120ml unpreserved	A	NA		3.3	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 2864 ATLANTIC AVE
Project Number: 0203563

Lab Number: L2160326
Report Date: 11/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2160326-03E	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2160326-03F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
Project Number:	0203563	**Report Date:**	11/17/21

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

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
Project Number:	0203563	**Report Date:**	11/17/21

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. 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:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
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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.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	2864 ATLANTIC AVE	**Lab Number:**	L2160326
Project Number:	0203563	**Report Date:**	11/17/21

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

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

Serial_No:11172111:53

ALPHA	NEW YORK CHAIN OF CUSTODY	Service Centers: Mahwah, NJ 07430: 35 Whitney Rd, Suite 5; Albany, NY 12205: 14 Walker Way; Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1 of 1	Date Rec'd in Lab 11/03/21	ALPHA Job # L2160326

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

Project Information

Project Name: 2864 Atlantic Ave
Project Location: 2864 Atlantic Avenue, Brooklyn, NY
Project # 0203563
(Use Project name as Project #) ☐
Project Manager: Emily Snead
ALPHAQuote #:

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

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☑ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☑ NY Restricted Use ☐ Other
☑ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Place B-7, B-9, and B-11 on hold

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL Volatiles	NYTCL Semivolatiles	Total TAL Metals	Sample Specific Comments	Total Bottles
60326-01	B-7 (0-2')	11-2-21	0830	S	ZS	X	X	X	PLACE ON HOLD	6
-02	B-9 (3-5')	11-2-21	1004	S	ZS	X	X	X	PLACE ON HOLD	6
-03	B-11 (0-2')	11-2-21	1109	S	ZS	X	X	X	PLACE ON HOLD	6

	TCL Volatiles	NYTCL Semivolatiles	Total TAL Metals
Container Type	V	A	A
Preservative	F	A	A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

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

Relinquished By:	Date/Time	Received By:	Date/Time
Zach Simmel	11-3-21/11:30	[signature] AAL	11-3-21 11:30
[signature]	11-3-21 1450	Paul Mazzella	11/3/21 1650
Paul Mazzella	11/3/21	Meghan Murphy	11/3/21 2205

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

Form No: 01-25 HC (rev. 30-Sept-2013)