17 December 2021
File No. 0204090

Via Electronic Mail

YS Realty NY
199 Lee Avenue
Brooklyn, NY 11211

Attention: Mr. Shimon Kaufman

RE: Limited Phase II Environmental Site Investigation Report
159 Third Avenue
Brooklyn, New York

Dear Mr. Kaufman:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to YS Realty NY summarizing the results of the Limited Phase II Environmental Site Investigation (ESI) completed at the property located at 151-169 Third Avenue, Brooklyn, New York (the site know as 159 Third Avenue) between 01 and 06 December 2021.

SITE DESCRIPTION

The site, identified as Block 407 Lot 1 on the New York City tax map in a M1-2 zoning area, is currently occupied by a BP Gas Station and Baltic Street Car Wash and Auto Detailing operation. The site is improved with a one-story car wash building, a one-story office/storefront and pump island associated with the gas station. There is a car detailing area in the northeastern portion of the site. The remainder of the site is paved and used for ingress/egress and parking. The site is located within an urban area characterized by low-rise commercial, industrial, and residential buildings.

The site has operated as a gasoline service station, auto rental and car wash since the 1970s and currently has two operational 4,000-gallon gasoline Underground Storage Tanks which were installed in 1972. The site also reportedly had a 550-gallon tank installed in 1974 and closed-removed in 1997. There are three previously closed spill cases reported for the site including two that were reportedly the result of failed tank tightness testing and a third case pertaining to and handled under an open spill case for the property across 3rd Avenue.

SITE BACKGROUND

The site is listed with an environmental E-Designation (E-601) for hazardous materials, noise, and air quality resulting from a City Environmental Quality Review (CEQR) effective March 2019 CEQR # 19DCP157K). 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. Noise requirements include minimum attenuation of 31 dBa for residential or community facilities. Air quality

requirements include “Any new residential and/or commercial development must be fitted with low NOx (30 ppm) burners firing only natural gas for heating and hot water systems, ensure that the heating and hot water systems stack(s) is located at least 146 feet away from the lot line facing Butler Street, and that heating and hot water system stack(s) is located at least 100 feet above grade, to avoid any potential significant air quality impacts.”

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

A Phase I Environmental Site Assessment (ESA) completed by GEI Consultants, Inc., P.C. (GEI) in September 2021, identified three recognized environmental conditions (RECs) associated with the Site including the following:

- Open Spill Case #9607280 which is associated with the adjacent property to the west but requires a monitoring well remain open for gauging on the site.
- Former use of the site as a gasoline station since the 1970s.
- Former use of the site for auto repair and detailing.

The Phase I ESA also identifies the following HRECs:

- Closed Spill Case #1402248
- Closed Spill Case #0902974
- Closed spill Case #9506588

SUBSURFACE INVESTIGATION

Between 01 and 06 December 2021, Haley & Aldrich mobilized to the Site with Eastern Environmental Solutions, Inc. (Eastern) to perform the Limited Phase II ESI which included installation of 7 soil borings and 3 temporary soil vapor points. The existing monitoring well on site (MW-1) associated with Spill Case #9607280 on the adjacent property to the west was also gauged and sampled. Groundwater was encountered in MW-1 at 14.51 feet below ground surface (ft bgs).

Haley & Aldrich field personnel was on-site to document field observations and collect soil, groundwater 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 7 soil borings were installed throughout the Site to approximately 15 feet below ground surface (ft bgs). Two temporary soil vapor points, SV1 and SV2, were installed to a depth of approximately 12 ft bgs. One temporary soil vapor point, SV-3, was installed to 3 ft bgs.

Urban fill, generally consisting of brown to dark brown coarse to medium sand with varying amounts of gravel, concrete brick, asphalt, and silt, was observed from surface grade to approximately 8 to 10 ft bgs. The urban fill layer was underlain by a potential native layer consisting of brown fine silty sand. Soil was observed as wet at approximately 12-13 ft bgs. Soil borings 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 ranged from non-detect at 0.0 parts per million (ppm) to 141.1 ppm in B-4 at approximately 13 ft bgs. Petroleum-like odors were observed in B-4 and B-6 from 10 to 15 ft bgs. Soil borings logs are included in Attachment A.

One soil sample was collected from each soil boring. Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total metals. The groundwater sample was collected from the existing monitoring well on the site and analyzed for VOCs and SVOCs. Soil vapor samples were collected over a 2-hour period into 2.7L stainless-steel summa canisters supplied by the laboratory and analyzed for VOCs. Sample locations are provided in Figure 1. All samples were collected into laboratory provided containers, placed on ice in coolers, and shipped by courier to Alpha Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

RESULTS

Full analytical results for soil, groundwater and soil vapor are provided in Tables 1-3, detections above regulatory criteria and/or guidance values are summarized in Figures 1-3, 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 from borings B-1 and B-7 exceeding both UUSCOs and RRSCOs. PAHs detected above RRSCOs in B-7 from 2 to 4 ft bgs included benzo(a)anthracene (1.4 mg/kg), benzo(a)pyrene (1.6 mg/kg) and benzo(b)fluoranthene (2.1 mg/kg). Indeno(1,2,3-cd)pyrene was detected in above the RRSCO in B-7 (2-4') and in B-1 (1-3') (maximum concentration 3.8 mg/kg). Dibenzo(a,h)anthracene (0.79 mg/kg) and chrysene (5.6 mg/kg) were also detected in B-1 (1-3') above the respective RRSCOs. Benzo(k) fluoranthene was detected above the UUSCOs in shallow samples collected from B-1 at 1 to 3 ft bgs.

Petroleum related VOCs were detected above UUSCOs in B-4 from 13 to 15 ft bgs including benzene (0.56 mg/kg), toluene (1.4 mg/kg), total xylenes (1.6 mg/kg) and n-propylbenzene (9.5 mg/kg).

Metals were detected exceeding both UUSCOs and RRSCOs in shallow and deep borings site wide. Arsenic was detected in B-4 (13-15') at 16.7 mg/kg above the RRSCO and in B-7 (2-4') at 14.5 mg/kg above the UUSCO. Barium was detected above the RRSCO in B-1 (1-3') at 470 mg/kg. Lead was detected in multiple soil samples above the UUSCOs in both shallow and subsurface intervals (maximum concentration 5,930 mg/kg from 2 to 4 ft bgs in B-7). Mercury was also detected in multiple soil samples above the UUSCOs in both shallow and subsurface intervals (maximum concentration 8.38 mg/kg from 13 to 15 ft bgs in B-4). Selenium (maximum concentration 681 mg/kg), copper (maximum concentration 82.7 mg/kg), nickel (maximum concentration 44.4 mg/kg) and selenium (maximum concentration 5.6 mg/kg) were detected in multiple samples throughout the site above the UUSCOs.

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

Groundwater

Groundwater analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance (TOGS) Series 1.1.1 Ambient Water Quality Standards (AWQS).

Multiple SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were identified in MW-1 with estimated concentrations above the applicable AWQS including benzo(a)anthracene (0.04 µg/L), benzo(a)pyrene (0.03 µg/L), benzo(b)fluoranthene (0.05 µg/L), benzo(k)fluoranthene (0.02 µg/L), chrysene (0.03 µg/L) and indeno(1,2,3-cd)pyrene (0.03 µg/L).

VOCs and metals were not detected above the AWQS in the sample from MW-1.

Full groundwater analytical results are provided in Table 2 and the laboratory report in Attachment B.

Soil Vapor

Total BTEX concentrations in soil vapor samples ranged from non-detect in sample SV-1 to 28,000 µg/m^3 in SV-2. Total VOC concentrations ranged between 121,290 µg/m^3 in SV-3 to 5,168,000 µg/m^3 in SV-2, which was installed just above the groundwater interface at 12 ft bgs.

It should be noted that high method detection limits were reported for soil vapor samples. This is likely due to the fact that samples were diluted in the laboratory to accommodate for the high concentration of a non-target compound that was detected in the soil vapor sample (i.e., a compound outside of the TO-15 compound list). Based on the analytical data provided, it can be stated that concentrations of TO-15 compounds do not exist at or above the method detection limits reported; however, concentrations may be present below this reported value. Non-target compounds with high detections include 2,2,4-trimethylpentane, a known component of gasoline, at 30,900 µg/m^3. Additional compounds associated with solvent usage were detected above laboratory detection limits including n-hexane (72,200 µg/m^3), cyclohexane (14,300 µg/m^3) and heptane (3,130 µg/m^3). Detections of these compounds are indicative of a source associated with gasoline and solvents.

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, concentrations were not detected above criteria thresholds for action.

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

CONCLUSIONS AND RECOMMENDATIONS

Field observations and analytical results identified urban fill contaminated with 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 to be distributed throughout the Site in shallow urban fill as well as the detection of several metals, including arsenic and mercury, at concentrations exceeding RRSCOs in deeper soil samples from 13 to 15 ft bgs. Groundwater is impacted with SVOCs as observed in existing monitoring well MW-1. Monitoring wells were not available for sampling within the existing pump island or tank area.

Soil vapor is impacted with petroleum-related VOCs. High total VOCs, high BTEX and high detections of non-target gasoline and solvent related compounds in soil vapor, collected from just below the surface at 3 ft bgs as well as just above the groundwater interface at 12 ft bgs, are indicative of a source material contamination associated with gasoline and solvents.

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
Principal

Mari Cate Conlon, P.G.
Senior Project Manager

Attachments:
Figure 1 – Sample Location Map
Figure 2 – Map of Soil Chemistry
Figure 3 – Map of Groundwater Chemistry
Figure 4 – Map of Soil Vapor Chemistry
Table 1 – Soil Analytical Results
Table 2 – Groundwater Analytical Results
Table 3 – Soil Vapor Analytical Results
Attachment A – Soil Boring Logs
Attachment B – Laboratory Reports

FIGURES

LEGEND

- SITE BOUNDARY
- SOIL BORING
- EXISISTING GROUNDWATER MONITORING WELL
- SOIL VAPOR POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021

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SCALE IN FEET

HALEY ALDRICH

YS REALTY NY
159 3RD AVENUE
BROOKLYN, NEW YORK

SAMPLE LOCATION MAP

DECEMBER 2021

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\200409\GIS\Maps\2021_12\204090_000_0002_SITE_PLAN.mxd - khensen - 12/2/2021 9:56:07 AM

B-7 (2-4') - 12/1/2021	
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.6
Benzo(b)fluoranthene	2.1
Chrysene	1.4
Indeno(1,2,3-cd)pyrene	1.2
Arsenic, Total	13.5
Copper, Total	76.4
Lead, Total	5930
Mercury, Total	0.534
Zinc, Total	161

B-1 (1-3') - 12/1/2021	
Benzo(a)anthracene	5.7
Benzo(a)pyrene	5.5
Benzo(b)fluoranthene	6.8
Benzo(k)fluoranthene	2.6
Chrysene	5.6
Dibenzo(a,h)anthracene	0.79
Indeno(1,2,3-cd)pyrene	3.8
Barium, Total	470
Copper, Total	82.7
Lead, Total	561
Mercury, Total	1.08
Nickel, Total	44.4
Zinc, Total	681

B-3 (5-7') - 12/1/2021	
Lead, Total	194
Mercury, Total	0.528
Zinc, Total	173

B-2 (8-10') - 12/1/2021	
Lead, Total	140
Mercury, Total	0.558

B-5 (8-10') - 12/1/2021	
Lead, Total	71.9
Mercury, Total	0.354

B-4 (13-15') - 12/1/2021	
Benzene	0.56
Ethylbenzene	1.4
Xylenes, Total	1.6
n-Propylbenzene	9.5
Arsenic, Total	16.7
Lead, Total	277
Mercury, Total	8.38
Selenium, Total	5.6
Zinc, Total	199

LEGEND

SITE BOUNDARY

SOIL BORING

NYCRR Part 375 Unrestricted Use and Restricted Residential Use SCOs			
Analyte	Units	RRSCO	UUSCO
Benzene	mg/kg	4.8	0.06
Ethylbenzene	mg/kg	41	1
Xylenes, Total	mg/kg	100	0.26
n-Propylbenzene	mg/kg	100	3.9
Barium, Total	mg/kg	400	350
Copper, Total	mg/kg	270	50
Lead, Total	mg/kg	400	63
Mercury, Total	mg/kg	0.81	0.18
Nickel, Total	mg/kg	310	30
Zinc, Total	mg/kg	10000	109
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

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021

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SCALE IN FEET

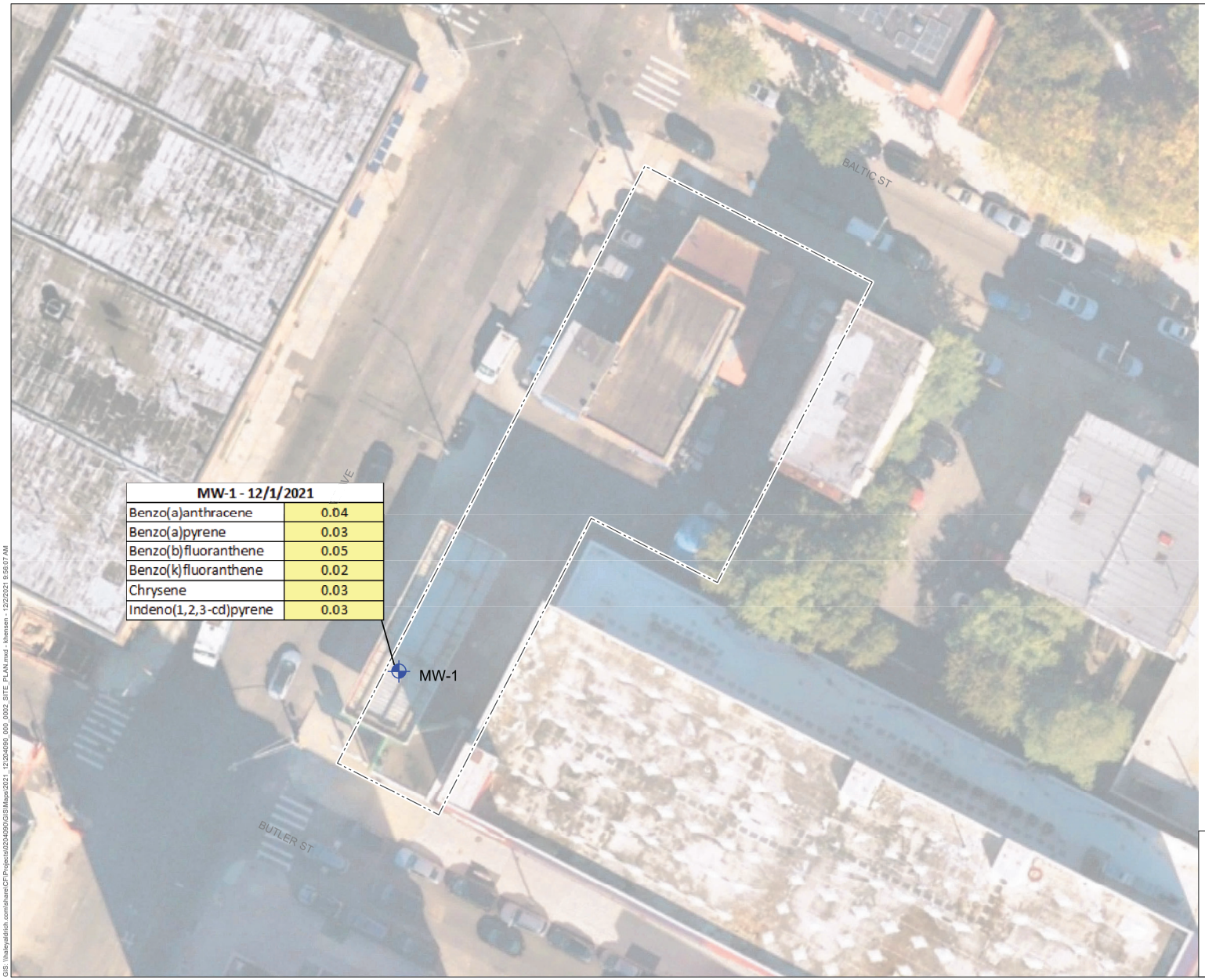
HALEY ALDRICH

YS REALTY NY
159 3RD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL CHEMISTRY

DECEMBER 2021

FIGURE 2



LEGEND

SITE BOUNDARY

EXISISTING GROUNDWATER MONITORING WELL

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards		
Analyte	Units	AWQS
Benzo(a)anthracene	µg/L	0.002
Benzo(a)pyrene	µg/L	0.002
Benzo(b)fluoranthene	µg/L	0.002
Benzo(k)fluoranthene	µg/L	0.002
Chrysene	µg/L	0.002
Indeno(1,2,3-cd)pyrene	µg/L	0.002

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021

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SCALE IN FEET

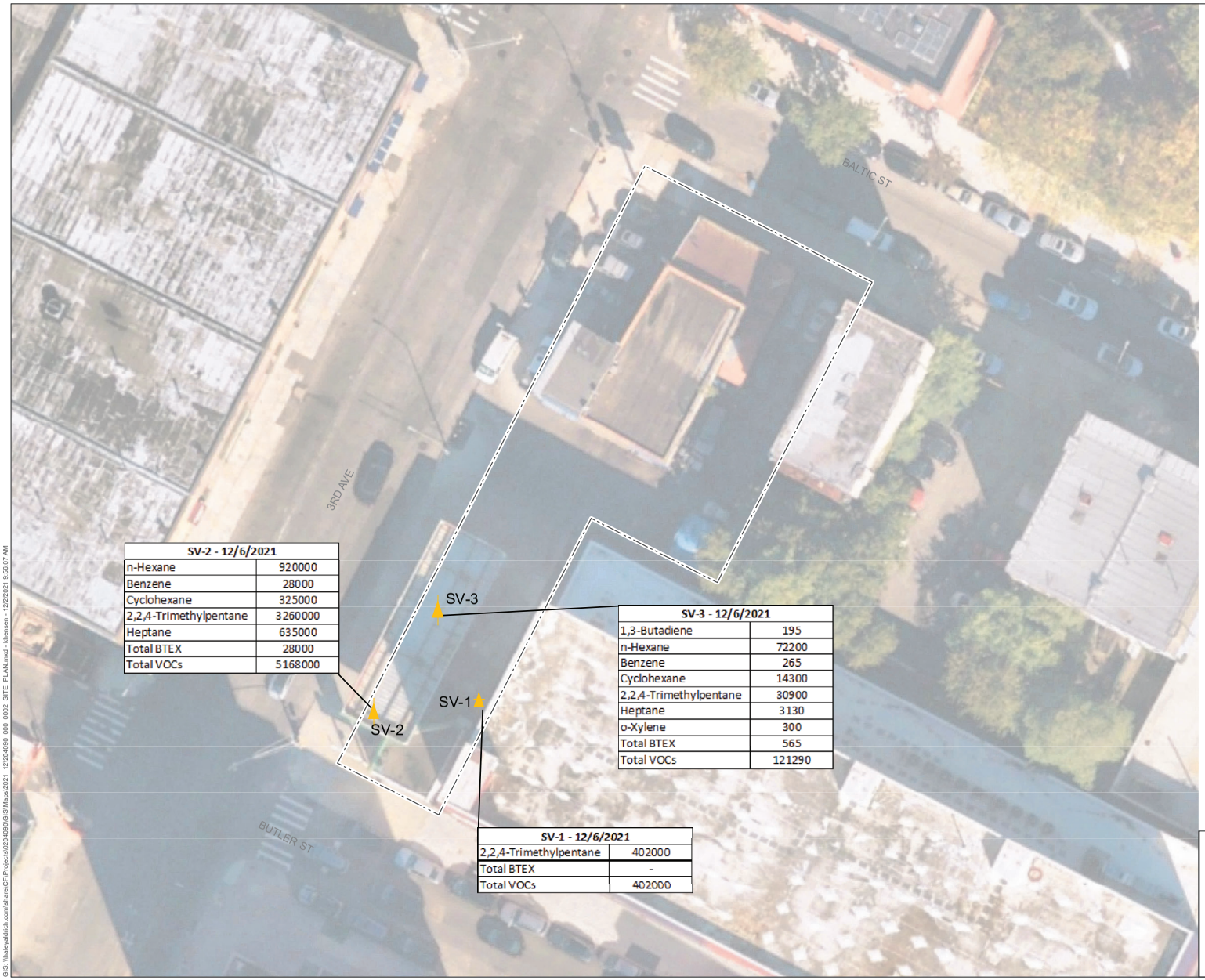
HALEY ALDRICH

YS REALTY NY
159 3RD AVENUE
BROOKLYN, NEW YORK

MAP OF GROUNDWATER CHEMISTRY

DECEMBER 2021

FIGURE 3



SV-2 - 12/6/2021	
n-Hexane	920000
Benzene	28000
Cyclohexane	325000
2,2,4-Trimethylpentane	3260000
Heptane	635000
Total BTEX	28000
Total VOCs	5168000

SV-3 - 12/6/2021	
1,3-Butadiene	195
n-Hexane	72200
Benzene	265
Cyclohexane	14300
2,2,4-Trimethylpentane	30900
Heptane	3130
o-Xylene	300
Total BTEX	565
Total VOCs	121290

SV-1 - 12/6/2021	
2,2,4-Trimethylpentane	402000
Total BTEX	-
Total VOCs	402000

LEGEND

SITE BOUNDARY

SOIL VAPOR POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 19 OCTOBER 2021
3. SV-1 AND SV-2 SET TO 12 FT BGS; SV-3 SET TO 3 FT BGS

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0 30 60

SCALE IN FEET

HALEY ALDRICH

YS REALTY NY
159 3RD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

DECEMBER 2021

FIGURE 4

TABLES

Table 1a. Soil Analytical Results - Volatile Organic Compounds
159 Third Avenue, Brooklyn, NY

LOCATION			B-1 (1-3')		B-2 (8-10')		B-3 (5-7')		B-4 (13-15')		B-5 (8-10')		B-6 (12-14')		B-7 (2-4')	
SAMPLING DATE			12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021	
LAB SAMPLE ID			L2165831-01		L2165831-02		L2165831-03		L2165831-04		L2165831-05		L2165831-06		L2165831-07	
	NY-RRSCO	NY-UUSCO	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Methylene chloride	100	0.05	0.0052	U	0.0048	U	0.0072	U	0.54	U	0.0048	U	0.26	U	0.0069	U
1,1-Dichloroethane	26	0.27	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Chloroform	49	0.37	0.0016	U	0.0014	U	0.0021	U	0.16	U	0.0014	U	0.079	U	0.00021	J
Carbon tetrachloride	2.4	0.76	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
1,2-Dichloropropane			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Dibromochloromethane			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
1,1,2-Trichloroethane			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Tetrachloroethene	19	1.3	0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00043	J
Chlorobenzene	100	1.1	0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
Trichlorofluoromethane			0.0042	U	0.0038	U	0.0057	U	0.43	U	0.0038	U	0.21	U	0.0055	U
1,2-Dichloroethane	3.1	0.02	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
1,1,1-Trichloroethane	100	0.68	0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
Bromodichloromethane			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
trans-1,3-Dichloropropene			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
cis-1,3-Dichloropropene			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
1,3-Dichloropropene, Total			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
1,1-Dichloropropene			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
Bromoform			0.0042	U	0.0038	U	0.0057	U	0.43	U	0.0038	U	0.21	U	0.0055	U
1,1,2,2-Tetrachloroethane			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
Benzene	4.8	0.06	0.00052	U	0.00048	U	0.00049	J	0.56		0.0016		0.026	U	0.0011	
Toluene	100	0.7	0.001	U	0.00096	U	0.0014	U	0.62		0.00063	J	0.053	U	0.0031	
Ethylbenzene	41	1	0.001	U	0.00096	U	0.0014	U	1.4		0.00028	J	0.053	U	0.0023	
Chloromethane			0.0042	U	0.0038	U	0.0057	U	0.43	U	0.0038	U	0.21	U	0.0055	U
Bromomethane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
Vinyl chloride	0.9	0.02	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Chloroethane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,1-Dichloroethene	100	0.33	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
trans-1,2-Dichloroethene	100	0.19	0.0016	U	0.0014	U	0.0021	U	0.16	U	0.0014	U	0.079	U	0.0021	U
Trichloroethene	21	0.47	0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
1,2-Dichlorobenzene	100	1.1	0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,3-Dichlorobenzene	49	2.4	0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,4-Dichlorobenzene	13	1.8	0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
Methyl tert butyl ether	100	0.93	0.0021	U	0.0019	U	0.0029	U	0.22	U	0.00069	J	0.1	U	0.0028	U
p/m-Xylene			0.0021	U	0.0019	U	0.0029	U	1.2		0.0026		0.042	J	0.0069	
o-Xylene			0.00034	J	0.00096	U	0.0014	U	0.37		0.00067	J	0.053	U	0.0025	
Xylenes, Total	100	0.26	0.00034	J	0.00096	U	0.0014	U	1.6		0.0033	J	0.042	J	0.0094	
cis-1,2-Dichloroethene	100	0.25	0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
1,2-Dichloroethene, Total			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Dibromomethane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
Styrene			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
Dichlorodifluoromethane			0.01	U	0.0096	U	0.014	U	1.1	U	0.0096	U	0.53	U	0.014	U
Acetone	100	0.05	0.019		0.032		0.011	J	1.1	U	0.032		0.53	U	0.012	J
Carbon disulfide			0.01	U	0.0096	U	0.014	U	1.1	U	0.0096	U	0.53	U	0.014	U
2-Butanone	100	0.12	0.0037	J	0.0062	J	0.014	U	1.1	U	0.019		0.53	U	0.014	U
Vinyl acetate			0.01	U	0.0096	U	0.014	U	1.1	U	0.0096	U	0.53	U	0.014	U
4-Methyl-2-pentanone			0.01	U	0.0096	U	0.014	U	1.1	U	0.0096	U	0.53	U	0.014	U
1,2,3-Trichloropropane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
2-Hexanone			0.01	U	0.0096	U	0.014	U	1.1	U	0.0096	U	0.53	U	0.014	U
Bromochloromethane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
2,2-Dichloropropane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,2-Dibromoethane			0.001	U	0.00096	U	0.0014	U	0.11	U	0.00096	U	0.053	U	0.0014	U
1,3-Dichloropropane			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,1,1,2-Tetrachloroethane			0.00052	U	0.00048	U	0.00072	U	0.054	U	0.00048	U	0.026	U	0.00069	U
Bromobenzene			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
n-Butylbenzene	100	12	0.001	U	0.00096	U	0.0014	U	3.5		0.0013		0.053	U	0.0003	J
sec-Butylbenzene	100	11	0.001	U	0.00096	U	0.0014	U	1.9		0.0024		1.8		0.00026	J
tert-Butylbenzene	100	5.9	0.0021	U	0.0019	U	0.0029	U	0.045	J	0.00025	J	0.05	J	0.0028	U
o-Chlorotoluene			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
p-Chlorotoluene			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,2-Dibromo-3-chloropropane			0.0031	U	0.0029	U	0.0043	U	0.32	U	0.0029	U	0.16	U	0.0042	U
Hexachlorobutadiene			0.0042	U	0.0038	U	0.0057	U	0.43	U	0.0038	U	0.21	U	0.0055	U
Isopropylbenzene			0.001	U	0.00096	U	0.0014	U	2.1		0.00028	J	0.29		0.00061	J
p-Isopropyltoluene			0.00012	J	0.00096	U	0.0014	U	0.068	J	0.0002	J	0.018	J	0.00016	J
Naphthalene	100	12	0.0041	J	0.0038	U	0.0057	U	0.38	J	0.0038	U	0.29		0.0097	
Acrylonitrile			0.0042	U	0.0038	U	0.0057	U	0.43	U	0.0038	U	0.21	U	0.0055	U
n-Propylbenzene	100	3.9	0.001	U	0.00096	U	0.0014	U	9.5		0.00028	J	1.4		0.0011	J
1,2,3-Trichlorobenzene			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,2,4-Trichlorobenzene			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
1,3,5-Trimethylbenzene	52	8.4	0.00034	J	0.0019	U	0.0029	U	0.32		0.00065	J	0.1	U	0.002	J
1,2,4-Trimethylbenzene	52	3.6	0.00042	J	0.0019	U	0.0029	U	0.92		0.0026		0.07	J	0.004	
1,4-Dioxane	13	0.1	0.083	U	0.077	U	0.11	U	8.6	U	0.077	U	4.2	U	0.11	U
p-Diethylbenzene			0.00041	J	0.0019	U	0.0029	U	2.5		0.0019		3.4		0.0016	J
p-Ethyltoluene			0.0021	U	0.0019	U	0.0029	U	0.55		0.0015	J	0.069	J	0.0036	
1,2,4,5-Tetramethylbenzene			0.0021	U	0.0019	U	0.0029	U	6.2		0.00046	J	7.2		0.00082	J
Ethyl ether			0.0021	U	0.0019	U	0.0029	U	0.22	U	0.0019	U	0.1	U	0.0028	U
trans-1,4-Dichloro-2-butene			0.0052	U	0.0048	U	0.0072	U	0.54	U	0.0048	U	0.26	U	0.0069	U

Notes
NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UUSCO: New York NYCRR Part 375 New York Unrestricted use Criteria
U - non-detect results
J - estimated results

Highlighted - exceedance of UUSCO
Bold highlighted - exceedance of RRSCO
Gray shading - detection limit exceeds standard
All concentrations in mg/kg

Table 1b. Soil Analytical Results - Semi-Volatile Organic Compounds
159 Third Avenue, Brooklyn, NY

LOCATION			B-1 (1-3')		B-2 (8-10')		B-3 (5-7')		B-4 (13-15')		B-5 (8-10')		B-6 (12-14')		B-7 (2-4')	
SAMPLING DATE			12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021	
LAB SAMPLE ID			L2165831-01		L2165831-02		L2165831-03		L2165831-04		L2165831-05		L2165831-06		L2165831-07	
	NY-RRSCO	NY-UUSCO	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Acenaphthene	100	20	0.65	J	0.043	J	0.038	J	0.18	U	0.15	U	0.15	U	0.18	
1,2,4-Trichlorobenzene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Hexachlorobenzene	1.2	0.33	0.57	U	0.12	U	0.12	U	0.14	U	0.12	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether			0.86	U	0.18	U	0.18	U	0.21	U	0.17	U	0.17	U	0.16	U
2-Chloronaphthalene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
1,2-Dichlorobenzene	100	1.1	0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
1,3-Dichlorobenzene	49	2.4	0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
1,4-Dichlorobenzene	13	1.8	0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2,4-Dinitrotoluene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2,6-Dinitrotoluene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Fluoranthene	100	100	13		0.44		0.71		0.14	U	0.12	U	0.061	J	3	
4-Chlorophenyl phenyl ether			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether			1.1	U	0.23	U	0.24	U	0.28	U	0.23	U	0.23	U	0.21	U
Bis(2-chloroethoxy)methane			1	U	0.21	U	0.22	U	0.25	U	0.21	U	0.2	U	0.19	U
Hexachlorobutadiene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Hexachlorocyclopentadiene			2.7	U	0.56	U	0.58	U	0.66	U	0.55	U	0.54	U	0.51	U
Hexachloroethane			0.76	U	0.16	U	0.16	U	0.18	U	0.15	U	0.15	U	0.14	U
Isophorone			0.86	U	0.18	U	0.18	U	0.21	U	0.17	U	0.17	U	0.16	U
Naphthalene	100	12	0.32	J	0.028	J	0.034	J	0.33		0.19	U	0.39		0.21	
Nitrobenzene			0.86	U	0.18	U	0.18	U	0.21	U	0.17	U	0.17	U	0.16	U
NDPA/DPA			0.76	U	0.16	U	0.16	U	0.18	U	0.15	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Bis(2-ethylhexyl)phthalate			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.36	
Butyl benzyl phthalate			0.34	J	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Di-n-butylphthalate			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Di-n-octylphthalate			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Diethyl phthalate			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Dimethyl phthalate			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Benzo(a)anthracene	1	1	5.7		0.21		0.33		0.14	U	0.12	U	0.091	J	**1.4**	
Benzo(a)pyrene	1	1	5.5		0.19		0.32		0.18	U	0.15	U	0.14	J	**1.6**	
Benzo(b)fluoranthene	1	1	6.8		0.22		0.42		0.14	U	0.12	U	0.13		**2.1**	
Benzo(k)fluoranthene	3.9	0.8	2.6		0.077	J	0.14		0.14	U	0.12	U	0.037	J	0.63	
Chrysene	3.9	1	5.6		0.2		0.33		0.14	U	0.12	U	0.086	J	1.4	
Acenaphthylene	100	100	0.47	J	0.16	U	0.16	U	0.18	U	0.15	U	0.15	U	0.16	
Anthracene	100	100	1.8		0.1	J	0.09	J	0.14	U	0.12	U	0.11	U	0.41	
Benzo(ghi)perylene	100	100	3.4		0.099	J	0.22		0.18	U	0.15	U	0.14	J	1	
Fluorene	100	30	0.7	J	0.044	J	0.035	J	0.23	U	0.19	U	0.19	U	0.16	J
Phenanthrene	100	100	7.6		0.34		0.44		0.14	U	0.12	U	0.053	J	1.8	
Dibenzo(a,h)anthracene	0.33	0.33	**0.79**		0.032	J	0.06	J	0.14	U	0.12	U	0.04	J	0.27	
Indeno(1,2,3-cd)pyrene	0.5	0.5	**3.8**		0.15	J	0.27		0.18	U	0.15	U	0.15		**1.2**	
Pyrene	100	100	12		0.36		0.61		0.14	U	0.12	U	0.07	J	2.9	
Biphenyl			2.2	U	0.44	U	0.46	U	0.53	U	0.44	U	0.43	U	0.41	U
4-Chloroaniline			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2-Nitroaniline			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
3-Nitroaniline			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
4-Nitroaniline			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Dibenzofuran	59	7	0.4	J	0.025	J	0.022	J	0.23	U	0.19	U	0.19	U	0.16	J
2-Methylnaphthalene			0.18	J	0.23	U	0.24	U	0.11	J	0.23	U	0.32		0.1	J
1,2,4,5-Tetrachlorobenzene			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Acetophenone			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2,4,6-Trichlorophenol			0.57	U	0.12	U	0.12	U	0.14	U	0.12	U	0.11	U	0.11	U
p-Chloro-m-cresol			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2-Chlorophenol			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2,4-Dichlorophenol			0.86	U	0.18	U	0.18	U	0.21	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2-Nitrophenol			2.1	U	0.42	U	0.43	U	0.5	U	0.42	U	0.41	U	0.38	U
4-Nitrophenol			1.3	U	0.27	U	0.28	U	0.32	U	0.27	U	0.27	U	0.25	U
2,4-Dinitrophenol			4.6	U	0.93	U	0.96	U	1.1	U	0.92	U	0.91	U	0.86	U
4,6-Dinitro-o-cresol			2.5	U	0.51	U	0.52	U	0.6	U	0.5	U	0.5	U	0.46	U
Pentachlorophenol	6.7	0.8	0.76	U	0.16	U	0.16	U	0.18	U	0.15	U	0.15	U	0.14	U
Phenol	100	0.33	0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
2-Methylphenol	100	0.33	0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	100	0.33	1.4	U	0.28	U	0.29	U	0.058	J	0.28	U	0.27	U	0.26	U
2,4,5-Trichlorophenol			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Benzoic Acid			3.1	U	0.63	U	0.65	U	0.75	U	0.62	U	0.62	U	0.58	U
Benzyl Alcohol			0.96	U	0.19	U	0.2	U	0.23	U	0.19	U	0.19	U	0.18	U
Carbazole			0.59	J	0.032	J	0.05	J	0.23	U	0.19	U	0.19	U	0.18	
1,4-Dioxane	13	0.1	0.14	U	0.029	U	0.03	U	0.035	U	0.029	U	0.028	U	0.027	U

Notes
NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UUSCO: New York NYCRR Part 375 New York Unrestricted use Criteria
U - non-detect results
J - estimated results

Highlighted - exceedance of UUSCO
Bold highlighted - exceedance of RRSCO
Gray shading - detection limit exceeds standard
All concentrations in mg/kg

Table 1c. Soil Analytical Results - Total Metals
159 Third Avenue, Brooklyn, NY

LOCATION			B-1 (1-3')		B-2 (8-10')		B-3 (5-7')		B-4 (13-15')		B-5 (8-10')		B-6 (12-14')		B-7 (2-4')	
SAMPLING DATE			12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021		12/1/2021	
LAB SAMPLE ID			L2165831-01		L2165831-02		L2165831-03		L2165831-04		L2165831-05		L2165831-06		L2165831-07	
	NY-RESRI	NY-UNRES	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Aluminum, Total			4790		5950		2590		2710		5900		6930		4670	
Antimony, Total			3.12	J	0.828	J	1.1	J	0.943	J	0.415	J	0.348	J	1100	
Arsenic, Total	16	13	8.06		3.06		9.32		**16.7**		2.25		1.31		13.5	
Barium, Total	400	350	**470**		75.6		136		140		35.9		43.1		185	
Beryllium, Total	72	7.2	0.3	J	0.333	J	0.113	J	0.249	J	0.325	J	0.33	J	0.221	J
Cadmium, Total	4.3	2.5	2.09		0.522	J	1.03		0.444	J	0.469	J	0.44	J	0.827	
Calcium, Total			12400		1170		54600		5650		1280		763		21600	
Chromium, Total			16.6		13.3		8.65		6.19		10.3		10.9		13.9	
Cobalt, Total			5.99		5.61		3.36		4.14		5.59		5.92		4.75	
Copper, Total	270	50	82.7		18.4		23.5		38.5		11.4		11.3		76.4	
Iron, Total			17100		12600		17700		7570		11200		11200		11400	
Lead, Total	400	63	**561**		140		194		277		71.9		37.2		**5930**	
Magnesium, Total			3760		1730		1740		398		1990		1940		3810	
Manganese, Total	2000	1600	222		216		151		72.7		212		104		213	
Mercury, Total	0.81	0.18	**1.08**		0.558		0.528		**8.38**		0.354		0.152		0.534	
Nickel, Total	310	30	44.4		19		13.2		8.47		19		17.7		20.9	
Potassium, Total			1060		574		498		315		612		552		901	
Selenium, Total	180	3.9	0.987	J	0.621	J	1.97		5.6		0.595	J	0.385	J	0.647	J
Silver, Total	180	2	0.529	J	0.9	U	0.942	U	1.08	U	0.902	U	0.917	U	1.31	
Sodium, Total			148	J	104	J	320		280		78.8	J	85.1	J	783	
Thallium, Total			1.76	U	1.8	U	1.88	U	2.17	U	1.8	U	1.83	U	1.64	U
Vanadium, Total			24		18.7		20.6		18.2		17.1		16.9		20.1	
Zinc, Total	10000	109	681		53.6		173		199		32.8		29.3		161	

Notes
NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UUSCO: New York NYCRR Part 375 New York Unrestricted use Criteria
U - non-detect results
J - estimated results

Highlighted - exceedance of UUSCO
Bold highlighted - exceedance of RRSCO
Gray shading - detection limit exceeds standa
All concentrations in mg/kg

Table 2b. Groundwater Analytical Results - Semi-Volatile Organic Compounds
159 Third Avenue, Brooklyn, NY

LOCATION		MW-1	
SAMPLING DATE		12/1/2021	
LAB SAMPLE ID		L2165830-01	
	NY-AWQS	Results	Qual
1,2,4-Trichlorobenzene	5	5	U
Bis(2-chloroethyl)ether	1	2	U
1,2-Dichlorobenzene	3	2	U
1,3-Dichlorobenzene	3	2	U
1,4-Dichlorobenzene	3	2	U
3,3'-Dichlorobenzidine	5	5	U
2,4-Dinitrotoluene	5	5	U
2,6-Dinitrotoluene	5	5	U
4-Chlorophenyl phenyl ether		2	U
4-Bromophenyl phenyl ether		2	U
Bis(2-chloroisopropyl)ether	5	2	U
Bis(2-chloroethoxy)methane	5	5	U
Hexachlorocyclopentadiene	5	20	U
Isophorone	50	5	U
Nitrobenzene	0.4	2	U
NDPA/DPA	50	2	U
n-Nitrosodi-n-propylamine		5	U
Bis(2-ethylhexyl)phthalate	5	2.9	J
Butyl benzyl phthalate	50	5	U
Di-n-butylphthalate	50	5	U
Di-n-octylphthalate	50	5	U
Diethyl phthalate	50	5	U
Dimethyl phthalate	50	5	U
Biphenyl		2	U
4-Chloroaniline	5	5	U
2-Nitroaniline	5	5	U
3-Nitroaniline	5	5	U
4-Nitroaniline	5	5	U
Dibenzofuran		2	U
1,2,4,5-Tetrachlorobenzene	5	10	U
Acetophenone		5	U
2,4,6-Trichlorophenol		5	U
p-Chloro-m-cresol		2	U
2-Chlorophenol		2	U
2,4-Dichlorophenol	1	5	U
2,4-Dimethylphenol	50	5	U
2-Nitrophenol		10	U
4-Nitrophenol		10	U
2,4-Dinitrophenol	10	20	U
4,6-Dinitro-o-cresol		10	U
Phenol	1	5	U
2-Methylphenol		5	U
3-Methylphenol/4-Methylphenol		5	U
2,4,5-Trichlorophenol		5	U
Benzoic Acid		50	U
Benzyl Alcohol		2	U
Carbazole		2	U
Acenaphthene	20	0.03	J
2-Chloronaphthalene	10	0.2	U
Fluoranthene	50	0.08	J
Hexachlorobutadiene	0.5	0.5	U
Naphthalene	10	0.1	U
Benzo(a)anthracene	0.002	0.04	J
Benzo(a)pyrene	0.002	0.03	J
Benzo(b)fluoranthene	0.002	0.05	J
Benzo(k)fluoranthene	0.002	0.02	J
Chrysene	0.002	0.03	J
Acenaphthylene		0.1	U
Anthracene	50	0.02	J
Benzo(ghi)perylene		0.04	J
Fluorene	50	0.02	J
Phenanthrene	50	0.05	J
Dibenzo(a,h)anthracene		0.1	U
Indeno(1,2,3-cd)pyrene	0.002	0.03	J
Pyrene	50	0.07	J
2-Methylnaphthalene		0.1	U
Pentachlorophenol	1	0.8	U
Hexachlorobenzene	0.04	0.8	U
Hexachloroethane	5	0.8	U

Notes
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
U - non-detect results
J - estimated results
Highlighted - exceedance of AWQS
Gray shading - detection limit exceeds standard
All concentrations in µg/L

Table 3. Soil Vapor Analytical Results - Volatile Organic Compounds
159 Third Avenue, Brooklyn, NY

LOCATION				SV-1		SV-2		SV-3	
SAMPLING DATE				12/6/2021		12/6/2021		12/6/2021	
LAB SAMPLE ID				L2166754-01		L2166754-02		L2166754-03	
	NY-SSC-A	NY-SSC-B	NY-SSC-C	Results	Qual	Results	Qual	Results	Qual
Dichlorodifluoromethane				1240	U	12400	U	298	U
Chloromethane				516	U	5160	U	124	U
Freon-114				1750	U	17500	U	421	U
Vinyl chloride			6	639	U	6390	U	154	U
1,3-Butadiene				553	U	5530	U	195	
Bromomethane				971	U	9710	U	234	U
Chloroethane				660	U	6600	U	159	U
Ethanol				11800	U	118000	U	2850	U
Vinyl bromide				1090	U	10900	U	263	U
Acetone				2970	U	29700	U	715	U
Trichlorofluoromethane				1400	U	14000	U	338	U
Isopropanol				1540	U	15400	U	371	U
1,1-Dichloroethene	6			991	U	9910	U	239	U
Tertiary butyl Alcohol				1890	U	18900	U	458	U
Methylene chloride		100		2170	U	21700	U	525	U
3-Chloropropene				783	U	7830	U	188	U
Carbon disulfide				779	U	7790	U	187	U
Freon-113				1920	U	19200	U	461	U
trans-1,2-Dichloroethene				991	U	9910	U	239	U
1,1-Dichloroethane				1010	U	10100	U	244	U
Methyl tert butyl ether				901	U	9010	U	217	U
2-Butanone				1840	U	18400	U	445	U
cis-1,2-Dichloroethene	6			991	U	9910	U	239	U
Ethyl Acetate				2250	U	22500	U	544	U
Chloroform				1220	U	12200	U	294	U
Tetrahydrofuran				1840	U	18400	U	445	U
1,2-Dichloroethane				1010	U	10100	U	244	U
n-Hexane				881	U	920000		72200	
1,1,1-Trichloroethane		100		1360	U	13600	U	328	U
Benzene				799	U	28000		265	
Carbon tetrachloride	6			1570	U	15700	U	379	U
Cyclohexane				861	U	325000		14300	
1,2-Dichloropropane				1160	U	11600	U	278	U
Bromodichloromethane				1670	U	16700	U	403	U
1,4-Dioxane				901	U	9010	U	217	U
Trichloroethene	6			1340	U	13400	U	324	U
2,2,4-Trimethylpentane				402000		3260000		30900	
Heptane				1020	U	635000		3130	
cis-1,3-Dichloropropene				1130	U	11300	U	273	U
4-Methyl-2-pentanone				2560	U	25600	U	619	U
trans-1,3-Dichloropropene				1130	U	11300	U	273	U
1,1,2-Trichloroethane				1360	U	13600	U	328	U
Toluene				942	U	9420	U	227	U
2-Hexanone				1020	U	10200	U	247	U
Dibromochloromethane				2130	U	21300	U	513	U
1,2-Dibromoethane				1920	U	19200	U	463	U
Tetrachloroethene		100		1700	U	17000	U	408	U
Chlorobenzene				1150	U	11500	U	277	U
Ethylbenzene				1090	U	10900	U	261	U
p/m-Xylene				2170	U	21700	U	521	U
Bromoform				2580	U	25800	U	622	U
Styrene				1060	U	10600	U	256	U
1,1,2,2-Tetrachloroethane				1720	U	17200	U	413	U
o-Xylene				1090	U	10900	U	300	
4-Ethyltoluene				1230	U	12300	U	296	U
1,3,5-Trimethylbenzene				1230	U	12300	U	296	U
1,2,4-Trimethylbenzene				1230	U	12300	U	296	U
Benzyl chloride				1290	U	12900	U	312	U
1,3-Dichlorobenzene				1500	U	15000	U	362	U
1,4-Dichlorobenzene				1500	U	15000	U	362	U
1,2-Dichlorobenzene				1500	U	15000	U	362	U
1,2,4-Trichlorobenzene				1860	U	18600	U	447	U
Hexachlorobutadiene				2670	U	26700	U	642	U
Total BTEX				-		28000		565	
Total VOCs				402000		5168000		121290	

Notes:
NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion
U - non-detect results
J - estimated results
Gray shading - detection limit exceeds standard
All concentrations in $\mu g/m^3$

ATTACHMENT A

SOIL BORING LOGS

GEOPROBE BORING REPORT

BORING NO. B-1

Page 1 of 1

PROJECT	Limited Phase II ESI - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-3	Gray brown fine to coarse sand with silt, gravel, asphalt and brick fragments; no odor; dry
		0.0			
	43	0.0		3-8	Brown to light brown medium silty sand, no odor, dry
			B-1(1-3')		
		0.0			
		0.0			
5		0.0			
		0.0			
	35	0.0			
		0.0		8-10	Dark brown to gray fine to medium silty sand with trace gravel and brick fragments, trace clay, no odor, moist at 8 ft
		0.0			
10		0.0		10-15	Brown fine to medium silty sand with trace clay, no odor, wet
		0.0			
	12	0.0			
		0.0			
		0.0			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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

Page 1 of 1

PROJECT	Limited Phase II ESI - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-4	Dark brown fine to medium silty sand with trace gravel, asphalt and brick fragments, no odor, dry
		0.0			
	36	0.0			
		0.0		4-6	Red brick fragments
		0.0			
5		0.0		6-9	Light brown fine to medium silty sand, no odor, dry
		0.0			
	40	0.0			
		0.0	B-2(8-10')		
		0.0		9-10	Light gray fine clayey sand, trace brick fragments, no odor, dry
10		0.0		10-15	Dark brown to gray medium to coarse silty sand, trace brick fragments, no odor, moist at 13 ft
		0.0			
	36	0.0			
		0.0			
		0.0			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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 - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-5	Dark brown to gray medium to coarse silty sand with brick and slag fragments, dry, no odor
		0.0			
	24	0.0			
		0.0			
		0.0			
5		0.0		5-7	Brown fine to medium silty sand with brick and cinder block fragments, no odor, dry
			B-3(5-7)		
		0.0			
				7-8	White quartz fragments
	36	0.0			
				8-15	Dark brown to dark gray fine silty sand, trace clay, no odor, moist at 13 ft
		0.0			
		0.0			
10		0.0			
		0.0			
	36	0.0			
		0.0			
		0.0			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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

Page 1 of 1

PROJECT	Limited Phase II ESI - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

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

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	
☐ Automatic	☐ None	

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-5	Brown to dark brow fine to medium sand with trace gravel and brick fragments, no odor, dry
		0.0			
	17	0.0			
		0.0			
		0.0			
5		0.0		5-10	Brown to dark brow fine to medium sand with some gravel and brick fragments, no odor, dry
		0.0			
	27	0.0			
		0.0			
		10.4			
10		12.1		10-15	Gray to dark gray medium to coarse silty sand with trace gravel,, petroleum odor, gray staining, wet at 13.5 ft
		22.0			
	38	18.2			
			B-4(13-15')		
		136.1			
		101.7			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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

Page 1 of 1

PROJECT	Limited Phase II ESI - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-5	Brown medium to coarse silty sand with some gravel and brick fragments, no odor, dry
		0.0			
	24	0.0			
		0.0			
		0.0			
5		0.0		5-8	Brown to dark brown gray fine to coarse silty sand, trace brick fragments, no odor, dry
		0.0			
	36	0.0			
		0.0	B-5(8-10')	8-14.5	Brown fine silty sand, slight petroleum odor, wet at 13 ft
		0.0			
10		0.0			
		0.0			
	36	0.0			
		0.0			
		0.0			
15				14.5-15	Brown fine silty sand, gray staining and slight petroleum odor, moist

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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 - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-5	Concrete fragments (poor recovery)
		0.0			
	4	0.0			
		0.0			
		0.0			
5		0.0		5-10	Brown to light brown medium to coarse silty sand, trace gravel, no odor, dry
		0.0			
	30	0.0			
		0.0			Brown fine silty sand, slight petroleum odor, wet at 13 ft
		0.0			
10		88.0		10-15	Dark gray to black stained fine silty sand, trace clay, strong petroleum odor, wet at 12.5 ft
		91.7	B-6(12-14')		
	60	141.7			
		127.7			
		0.0			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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**

Page 1 of 1

PROJECT	Limited Phase II ESI - 169 Third Avenue		
LOCATION	159 Third Avenue, Brooklyn, NY	**PROJECT MGR.**	M. Conlon
CLIENT	YS Realty NY	**FIELD REP.**	Z.Simmel
CONTRACTOR	Eastern Environmental Solutions	**DATE STARTED**	12/1/2021
DRILLER	E. Santiago	**DATE FINISHED**	12/1/2021

Boring Location See Plan

Item	Casing	Sampler	Core Barrel
Type			
Inside Diameter (in.)	2"		
Hammer Weight (lb.)			
Hammer Fall (in.)			

Rig Make & Model Geoprobe 7822DT

- ☐ 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

Drilling Notes: Direct Push

Depth (ft.)	Recovery (in)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0		0-6	Brown to dark brown medium to coarse silty sand with some brick, cinder block and concrete fragments, no odor, dry
		0.0	B-7(2-4')		
	28	0.0			
		0.0			
		0.0			
5		0.0			
		0.0		6-8	Red brick fragments
	28	0.0			
		0.0		8-10	Brown to dark brown medium to coarse silty sand with some brick, cinder block and concrete fragments, no odor, dry
		0.0			
10		0.0		10-15	Brown fine to medium silty sand with some clay and brick fragments, no odor, moist
		0.0			
	12	0.0			
		0.0			
		0.0			
15					

Water Level Data

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

Sample ID

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

Summary

Overburden (Linear ft.)	15
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.

ATTACHMENT B

LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2165830
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	169 3RD AVENUE
Project Number:	0204090
Report Date:	12/07/21

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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2165830-01	MW-1	WATER	169 3RD AVENUE, BROOKLYN, NY	12/01/21 12:58	12/01/21

Project Name:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

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:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Sebastian Corbin

Title: Technical Director/Representative Date: 12/07/21

ORGANICS

VOLATILES

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/05/21 13:17
Analyst: PD

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

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	4.1		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 06:36
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1579409-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 06:36
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1579409-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/05/21 06:36
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1579409-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

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: WG1579409-3 WG1579409-4								
Methylene chloride	91		100		70-130	9		20
1,1-Dichloroethane	96		100		70-130	4		20
Chloroform	92		100		70-130	8		20
Carbon tetrachloride	94		110		63-132	16		20
1,2-Dichloropropane	93		100		70-130	7		20
Dibromochloromethane	89		100		63-130	12		20
1,1,2-Trichloroethane	88		100		70-130	13		20
Tetrachloroethene	95		100		70-130	5		20
Chlorobenzene	92		100		75-130	8		20
Trichlorofluoromethane	92		100		62-150	8		20
1,2-Dichloroethane	97		110		70-130	13		20
1,1,1-Trichloroethane	96		110		67-130	14		20
Bromodichloromethane	93		100		67-130	7		20
trans-1,3-Dichloropropene	85		96		70-130	12		20
cis-1,3-Dichloropropene	85		94		70-130	10		20
1,1-Dichloropropene	86		98		70-130	13		20
Bromoform	87		99		54-136	13		20
1,1,2,2-Tetrachloroethane	86		100		67-130	15		20
Benzene	96		110		70-130	14		20
Toluene	96		110		70-130	14		20
Ethylbenzene	97		110		70-130	13		20
Chloromethane	94		100		64-130	6		20
Bromomethane	110		120		39-139	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

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: WG1579409-3 WG1579409-4								
Vinyl chloride	98		110		55-140	12		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	93		100		61-145	7		20
trans-1,2-Dichloroethene	96		100		70-130	4		20
Trichloroethene	96		100		70-130	4		20
1,2-Dichlorobenzene	93		100		70-130	7		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	95		100		70-130	5		20
Methyl tert butyl ether	86		100		63-130	15		20
p/m-Xylene	95		105		70-130	10		20
o-Xylene	95		110		70-130	15		20
cis-1,2-Dichloroethene	93		100		70-130	7		20
Dibromomethane	94		100		70-130	6		20
1,2,3-Trichloropropane	92		99		64-130	7		20
Acrylonitrile	80		96		70-130	18		20
Styrene	85		95		70-130	11		20
Dichlorodifluoromethane	96		100		36-147	4		20
Acetone	98		100		58-148	2		20
Carbon disulfide	93		100		51-130	7		20
2-Butanone	80		94		63-138	16		20
Vinyl acetate	81		94		70-130	15		20
4-Methyl-2-pentanone	74		93		59-130	**23**	Q	20
2-Hexanone	78		90		57-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

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: WG1579409-3 WG1579409-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		120		63-133	18		20
1,2-Dibromoethane	88		100		70-130	13		20
1,3-Dichloropropane	89		100		70-130	12		20
1,1,1,2-Tetrachloroethane	89		99		64-130	11		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	99		110		53-136	11		20
sec-Butylbenzene	91		97		70-130	6		20
tert-Butylbenzene	90		97		70-130	7		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	97		110		70-130	13		20
1,2-Dibromo-3-chloropropane	70		86		41-144	**21**	Q	20
Hexachlorobutadiene	87		93		63-130	7		20
Isopropylbenzene	88		96		70-130	9		20
p-Isopropyltoluene	90		97		70-130	7		20
Naphthalene	78		96		70-130	**21**	Q	20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	85		100		70-130	16		20
1,2,4-Trichlorobenzene	89		100		70-130	12		20
1,3,5-Trimethylbenzene	99		110		64-130	11		20
1,2,4-Trimethylbenzene	89		96		70-130	8		20
1,4-Dioxane	76		92		56-162	19		20
p-Diethylbenzene	93		100		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

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: WG1579409-3 WG1579409-4								
p-Ethyltoluene	93		100		70-130	7		20
1,2,4,5-Tetramethylbenzene	88		95		70-130	8		20
Ethyl ether	87		100		59-134	14		20
trans-1,4-Dichloro-2-butene	**67**	Q	85		70-130	**24**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		106		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/04/21 03:26
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.9	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	83		41-149

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/04/21 14:48
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.08	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.05	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.03	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.05	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165830
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2165830-01
Client ID: MW-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:58
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	83		41-149

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 23:34
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1578834-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 23:34
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1578834-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 23:34
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1578834-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	92		41-149

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/04/21 14:29
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1578840-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/04/21 14:29
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/03/21 12:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1578840-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	91		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1578834-2 WG1578834-3								
Acenaphthene	69		75		37-111	8		30
1,2,4-Trichlorobenzene	62		69		39-98	11		30
Hexachlorobenzene	80		93		40-140	15		30
Bis(2-chloroethyl)ether	62		68		40-140	9		30
2-Chloronaphthalene	66		75		40-140	13		30
1,2-Dichlorobenzene	64		69		40-140	8		30
1,3-Dichlorobenzene	58		62		40-140	7		30
1,4-Dichlorobenzene	60		67		36-97	11		30
3,3'-Dichlorobenzidine	73		75		40-140	3		30
2,4-Dinitrotoluene	69		75		48-143	8		30
2,6-Dinitrotoluene	71		81		40-140	13		30
Fluoranthene	77		83		40-140	8		30
4-Chlorophenyl phenyl ether	73		78		40-140	7		30
4-Bromophenyl phenyl ether	78		83		40-140	6		30
Bis(2-chloroisopropyl)ether	50		59		40-140	17		30
Bis(2-chloroethoxy)methane	63		67		40-140	6		30
Hexachlorobutadiene	69		76		40-140	10		30
Hexachlorocyclopentadiene	53		63		40-140	17		30
Hexachloroethane	64		67		40-140	5		30
Isophorone	59		70		40-140	17		30
Naphthalene	64		71		40-140	10		30
Nitrobenzene	59		64		40-140	8		30
NDPA/DPA	75		84		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1578834-2 WG1578834-3								
n-Nitrosodi-n-propylamine	60		69		29-132	14		30
Bis(2-ethylhexyl)phthalate	78		82		40-140	5		30
Butyl benzyl phthalate	78		83		40-140	6		30
Di-n-butylphthalate	80		84		40-140	5		30
Di-n-octylphthalate	76		81		40-140	6		30
Diethyl phthalate	73		81		40-140	10		30
Dimethyl phthalate	72		79		40-140	9		30
Benzo(a)anthracene	76		79		40-140	4		30
Benzo(a)pyrene	75		78		40-140	4		30
Benzo(b)fluoranthene	80		83		40-140	4		30
Benzo(k)fluoranthene	80		86		40-140	7		30
Chrysene	76		79		40-140	4		30
Acenaphthylene	66		76		45-123	14		30
Anthracene	76		82		40-140	8		30
Benzo(ghi)perylene	74		81		40-140	9		30
Fluorene	73		79		40-140	8		30
Phenanthrene	76		80		40-140	5		30
Dibenzo(a,h)anthracene	75		81		40-140	8		30
Indeno(1,2,3-cd)pyrene	76		82		40-140	8		30
Pyrene	77		84		26-127	9		30
Biphenyl	74		85		40-140	14		30
4-Chloroaniline	57		67		40-140	16		30
2-Nitroaniline	70		77		52-143	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1578834-2 WG1578834-3								
3-Nitroaniline	66		72		25-145	9		30
4-Nitroaniline	69		80		51-143	15		30
Dibenzofuran	71		80		40-140	12		30
2-Methylnaphthalene	63		76		40-140	19		30
1,2,4,5-Tetrachlorobenzene	75		84		2-134	11		30
Acetophenone	64		70		39-129	9		30
2,4,6-Trichlorophenol	78		85		30-130	9		30
p-Chloro-m-cresol	78		85		23-97	9		30
2-Chlorophenol	64		73		27-123	13		30
2,4-Dichlorophenol	74		79		30-130	7		30
2,4-Dimethylphenol	61		67		30-130	9		30
2-Nitrophenol	61		71		30-130	15		30
4-Nitrophenol	62		67		10-80	8		30
2,4-Dinitrophenol	60		77		20-130	25		30
4,6-Dinitro-o-cresol	67		78		20-164	15		30
Pentachlorophenol	68		83		9-103	20		30
Phenol	48		52		12-110	8		30
2-Methylphenol	64		72		30-130	12		30
3-Methylphenol/4-Methylphenol	71		76		30-130	7		30
2,4,5-Trichlorophenol	82		87		30-130	6		30
Benzoic Acid	14		23		10-164	**49**	Q	30
Benzyl Alcohol	61		61		26-116	0		30
Carbazole	80		87		55-144	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1578834-2 WG1578834-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		67		21-120
Phenol-d6	51		53		10-120
Nitrobenzene-d5	63		69		23-120
2-Fluorobiphenyl	71		79		15-120
2,4,6-Tribromophenol	91		99		10-120
4-Terphenyl-d14	85		93		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1578840-2 WG1578840-3								
Acenaphthene	78		84		40-140	7		40
2-Chloronaphthalene	81		86		40-140	6		40
Fluoranthene	88		96		40-140	9		40
Hexachlorobutadiene	72		75		40-140	4		40
Naphthalene	75		77		40-140	3		40
Benzo(a)anthracene	86		95		40-140	10		40
Benzo(a)pyrene	85		94		40-140	10		40
Benzo(b)fluoranthene	86		91		40-140	6		40
Benzo(k)fluoranthene	84		96		40-140	13		40
Chrysene	81		88		40-140	8		40
Acenaphthylene	85		92		40-140	8		40
Anthracene	85		92		40-140	8		40
Benzo(ghi)perylene	80		88		40-140	10		40
Fluorene	84		92		40-140	9		40
Phenanthrene	82		88		40-140	7		40
Dibenzo(a,h)anthracene	86		95		40-140	10		40
Indeno(1,2,3-cd)pyrene	80		87		40-140	8		40
Pyrene	88		96		40-140	9		40
2-Methylnaphthalene	80		84		40-140	5		40
Pentachlorophenol	109		123		40-140	12		40
Hexachlorobenzene	80		88		40-140	10		40
Hexachloroethane	64		67		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1578840-2 WG1578840-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		66		21-120
Phenol-d6	53		57		10-120
Nitrobenzene-d5	80		82		23-120
2-Fluorobiphenyl	79		84		15-120
2,4,6-Tribromophenol	89		96		10-120
4-Terphenyl-d14	90		98		41-149

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165830
Report Date: 12/07/21

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(*)
L2165830-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2165830-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2165830-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2165830-01D	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2165830-01E	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

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:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

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:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

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:	169 3RD AVENUE	**Lab Number:**	L2165830
Project Number:	0204090	**Report Date:**	12/07/21

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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: 12/1/21

ALPHA Job #: L2165830

Client Information

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

Project Information

Project Name: 169 3rd Avenue
Project Location: 169 3rd Avenue, Brooklyn, NY
Project # 0204090
(Use Project name as Project #) ☐
Project Manager: Mari Conlon
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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	NYTCL SVOCs	Total Bottle	Sample Specific Comments
L5830 01	MW-1	12-1-21	1258	GW	ZS	X	X		

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

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

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

Container Type	V	A						
Preservative	B	A						

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12-1-21 /	MSMA (ma)	12/1/21 15:59
MSMA (ma)	12/1/21 18:40	[signature] AAL	1930
[signature] AAL	12/1	[signature] AAL	12/1/21 21:30
[signature] AAL	12/1/21 23:45	[signature]	12/1/21 2345

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:	L2165831
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	169 3RD AVENUE
Project Number:	0204090
Report Date:	12/08/21

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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2165831-01	B-1 (1-3')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 08:43	12/01/21
L2165831-02	B-2 (8-10')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 09:10	12/01/21
L2165831-03	B-3 (5-7')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 11:02	12/01/21
L2165831-04	B-4 (13-15')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 10:30	12/01/21
L2165831-05	B-5 (8-10')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 11:35	12/01/21
L2165831-06	B-6 (12-14')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 12:00	12/01/21
L2165831-07	B-7 (2-4')	SOIL	169 3RD AVENUE, BROOKLYN, NY	12/01/21 12:35	12/01/21

Project Name:	169 3RD AVENUE	**Lab Number:**	L2165831
Project Number:	0204090	**Report Date:**	12/08/21

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: 169 3RD AVENUE **Lab Number:** L2165831
Project Number: 0204090 **Report Date:** 12/08/21

Case Narrative (continued)

Report Submission

December 08, 2021: This final report includes the results of all requested analyses.

December 07, 2021: This is a preliminary report.

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

Volatile Organics

L2165831-05: The 2-butanone result should be considered estimated due to co-elution with a non-target compound.

L2165831-06: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (157%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L2165831-01D: The sample has elevated detection limits due to the dilution required by the sample matrix. The WG1578433-2 LCS recovery, associated with L2165831-01D, -04, -05, and -07, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2165831-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 12/08/21

ORGANICS

VOLATILES

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 19:41
Analyst: NLK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	0.34	J	ug/kg	1.0	0.30	1
Xylenes, Total	0.34	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	19		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	3.7	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.12	J	ug/kg	1.0	0.11	1
Naphthalene	4.1	J	ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	0.34	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.42	J	ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	0.41	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 12:10
Analyst: MV
Percent Solids: 85%

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	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	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	32		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	6.2	J	ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.63	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 09:10
Date Received: 12/01/21
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	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 12:30
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.7	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.7	0.35	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	0.49	J	ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.7	1.3	1
Bromomethane	ND		ug/kg	2.9	0.83	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.20	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.80	1
o-Xylene	ND		ug/kg	1.4	0.42	1
Xylenes, Total	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.34	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	11	J	ug/kg	14	6.9	1
Carbon disulfide	ND		ug/kg	14	6.5	1
2-Butanone	ND		ug/kg	14	3.2	1
Vinyl acetate	ND		ug/kg	14	3.1	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.18	1
2-Hexanone	ND		ug/kg	14	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.29	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.24	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.27	1
p-Chlorotoluene	ND		ug/kg	2.9	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.7	0.93	1
Acrylonitrile	ND		ug/kg	5.7	1.6	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
1,4-Dioxane	ND		ug/kg	110	50.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.25	1
p-Ethyltoluene	ND		ug/kg	2.9	0.55	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.27	1
Ethyl ether	ND		ug/kg	2.9	0.49	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 13:52
Analyst: AJK
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	540	250	1
1,1-Dichloroethane	ND		ug/kg	110	16.	1
Chloroform	ND		ug/kg	160	15.	1
Carbon tetrachloride	ND		ug/kg	110	25.	1
1,2-Dichloropropane	ND		ug/kg	110	13.	1
Dibromochloromethane	ND		ug/kg	110	15.	1
1,1,2-Trichloroethane	ND		ug/kg	110	29.	1
Tetrachloroethene	ND		ug/kg	54	21.	1
Chlorobenzene	ND		ug/kg	54	14.	1
Trichlorofluoromethane	ND		ug/kg	430	75.	1
1,2-Dichloroethane	ND		ug/kg	110	28.	1
1,1,1-Trichloroethane	ND		ug/kg	54	18.	1
Bromodichloromethane	ND		ug/kg	54	12.	1
trans-1,3-Dichloropropene	ND		ug/kg	110	29.	1
cis-1,3-Dichloropropene	ND		ug/kg	54	17.	1
1,3-Dichloropropene, Total	ND		ug/kg	54	17.	1
1,1-Dichloropropene	ND		ug/kg	54	17.	1
Bromoform	ND		ug/kg	430	26.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	54	18.	1
Benzene	560		ug/kg	54	18.	1
Toluene	620		ug/kg	110	58.	1
Ethylbenzene	1400		ug/kg	110	15.	1
Chloromethane	ND		ug/kg	430	100	1
Bromomethane	ND		ug/kg	220	62.	1
Vinyl chloride	ND		ug/kg	110	36.	1
Chloroethane	ND		ug/kg	220	49.	1
1,1-Dichloroethene	ND		ug/kg	110	26.	1
trans-1,2-Dichloroethene	ND		ug/kg	160	15.	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	54	15.	1
1,2-Dichlorobenzene	ND		ug/kg	220	15.	1
1,3-Dichlorobenzene	ND		ug/kg	220	16.	1
1,4-Dichlorobenzene	ND		ug/kg	220	18.	1
Methyl tert butyl ether	ND		ug/kg	220	22.	1
p/m-Xylene	1200		ug/kg	220	60.	1
o-Xylene	370		ug/kg	110	31.	1
Xylenes, Total	1600		ug/kg	110	31.	1
cis-1,2-Dichloroethene	ND		ug/kg	110	19.	1
1,2-Dichloroethene, Total	ND		ug/kg	110	15.	1
Dibromomethane	ND		ug/kg	220	26.	1
Styrene	ND		ug/kg	110	21.	1
Dichlorodifluoromethane	ND		ug/kg	1100	98.	1
Acetone	ND		ug/kg	1100	520	1
Carbon disulfide	ND		ug/kg	1100	490	1
2-Butanone	ND		ug/kg	1100	240	1
Vinyl acetate	ND		ug/kg	1100	230	1
4-Methyl-2-pentanone	ND		ug/kg	1100	140	1
1,2,3-Trichloropropane	ND		ug/kg	220	14.	1
2-Hexanone	ND		ug/kg	1100	130	1
Bromochloromethane	ND		ug/kg	220	22.	1
2,2-Dichloropropane	ND		ug/kg	220	22.	1
1,2-Dibromoethane	ND		ug/kg	110	30.	1
1,3-Dichloropropane	ND		ug/kg	220	18.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	54	14.	1
Bromobenzene	ND		ug/kg	220	16.	1
n-Butylbenzene	3500		ug/kg	110	18.	1
sec-Butylbenzene	1900		ug/kg	110	16.	1
tert-Butylbenzene	45	J	ug/kg	220	13.	1
o-Chlorotoluene	ND		ug/kg	220	20.	1
p-Chlorotoluene	ND		ug/kg	220	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	110	1
Hexachlorobutadiene	ND		ug/kg	430	18.	1
Isopropylbenzene	2100		ug/kg	110	12.	1
p-Isopropyltoluene	68	J	ug/kg	110	12.	1
Naphthalene	380	J	ug/kg	430	70.	1
Acrylonitrile	ND		ug/kg	430	120	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	9500		ug/kg	110	18.	1
1,2,3-Trichlorobenzene	ND		ug/kg	220	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	29.	1
1,3,5-Trimethylbenzene	320		ug/kg	220	21.	1
1,2,4-Trimethylbenzene	920		ug/kg	220	36.	1
1,4-Dioxane	ND		ug/kg	8600	3800	1
p-Diethylbenzene	2500		ug/kg	220	19.	1
p-Ethyltoluene	550		ug/kg	220	41.	1
1,2,4,5-Tetramethylbenzene	6200		ug/kg	220	20.	1
Ethyl ether	ND		ug/kg	220	37.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	540	150	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	77		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 13:11
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	1.6		ug/kg	0.48	0.16	1
Toluene	0.63	J	ug/kg	0.96	0.52	1
Ethylbenzene	0.28	J	ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	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	0.43	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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	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	0.69	J	ug/kg	1.9	0.19	1
p/m-Xylene	2.6		ug/kg	1.9	0.54	1
o-Xylene	0.67	J	ug/kg	0.96	0.28	1
Xylenes, Total	3.3	J	ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	32		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	19		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	1.3		ug/kg	0.96	0.16	1
sec-Butylbenzene	2.4		ug/kg	0.96	0.14	1
tert-Butylbenzene	0.25	J	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	0.28	J	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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.28	J	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	0.65	J	ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	2.6		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	1.9		ug/kg	1.9	0.17	1
p-Ethyltoluene	1.5	J	ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	0.46	J	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	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/07/21 07:24
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	53	7.6	1
Chloroform	ND		ug/kg	79	7.4	1
Carbon tetrachloride	ND		ug/kg	53	12.	1
1,2-Dichloropropane	ND		ug/kg	53	6.6	1
Dibromochloromethane	ND		ug/kg	53	7.4	1
1,1,2-Trichloroethane	ND		ug/kg	53	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.7	1
Trichlorofluoromethane	ND		ug/kg	210	37.	1
1,2-Dichloroethane	ND		ug/kg	53	14.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.8	1
Bromodichloromethane	ND		ug/kg	26	5.7	1
trans-1,3-Dichloropropene	ND		ug/kg	53	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.3	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.3	1
1,1-Dichloropropene	ND		ug/kg	26	8.4	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.7	1
Benzene	ND		ug/kg	26	8.7	1
Toluene	ND		ug/kg	53	28.	1
Ethylbenzene	ND		ug/kg	53	7.4	1
Chloromethane	ND		ug/kg	210	49.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	53	18.	1
Chloroethane	ND		ug/kg	100	24.	1
1,1-Dichloroethene	ND		ug/kg	53	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	79	7.2	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06 Date Collected: 12/01/21 12:00

Client ID: B-6 (12-14') Date Received: 12/01/21

Sample Location: 169 3RD AVENUE, BROOKLYN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	26	7.2	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.8	1
1,4-Dichlorobenzene	ND		ug/kg	100	9.0	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	42	J	ug/kg	100	29.	1
o-Xylene	ND		ug/kg	53	15.	1
Xylenes, Total	42	J	ug/kg	53	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	53	9.2	1
1,2-Dichloroethene, Total	ND		ug/kg	53	7.2	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	53	10.	1
Dichlorodifluoromethane	ND		ug/kg	530	48.	1
Acetone	ND		ug/kg	530	250	1
Carbon disulfide	ND		ug/kg	530	240	1
2-Butanone	ND		ug/kg	530	120	1
Vinyl acetate	ND		ug/kg	530	110	1
4-Methyl-2-pentanone	ND		ug/kg	530	67.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.7	1
2-Hexanone	ND		ug/kg	530	62.	1
Bromochloromethane	ND		ug/kg	100	11.	1
2,2-Dichloropropane	ND		ug/kg	100	11.	1
1,2-Dibromoethane	ND		ug/kg	53	15.	1
1,3-Dichloropropane	ND		ug/kg	100	8.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	7.0	1
Bromobenzene	ND		ug/kg	100	7.6	1
n-Butylbenzene	ND		ug/kg	53	8.8	1
sec-Butylbenzene	1800		ug/kg	53	7.7	1
tert-Butylbenzene	50	J	ug/kg	100	6.2	1
o-Chlorotoluene	ND		ug/kg	100	10.	1
p-Chlorotoluene	ND		ug/kg	100	5.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	52.	1
Hexachlorobutadiene	ND		ug/kg	210	8.9	1
Isopropylbenzene	290		ug/kg	53	5.7	1
p-Isopropyltoluene	18	J	ug/kg	53	5.7	1
Naphthalene	290		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	60.	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	1400		ug/kg	53	9.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	10.	1
1,2,4-Trimethylbenzene	70	J	ug/kg	100	18.	1
1,4-Dioxane	ND		ug/kg	4200	1800	1
p-Diethylbenzene	3400		ug/kg	100	9.3	1
p-Ethyltoluene	69	J	ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	7200		ug/kg	100	10.	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	75.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	**157**	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/06/21 12:51
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.21	J	ug/kg	2.1	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	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	0.37	1
Tetrachloroethene	0.43	J	ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.96	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	1.1		ug/kg	0.69	0.23	1
Toluene	3.1		ug/kg	1.4	0.75	1
Ethylbenzene	2.3		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.8	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.8	0.63	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	6.9		ug/kg	2.8	0.78	1
o-Xylene	2.5		ug/kg	1.4	0.40	1
Xylenes, Total	9.4		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	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	12	J	ug/kg	14	6.7	1
Carbon disulfide	ND		ug/kg	14	6.3	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.8	0.20	1
n-Butylbenzene	0.30	J	ug/kg	1.4	0.23	1
sec-Butylbenzene	0.26	J	ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.26	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	0.61	J	ug/kg	1.4	0.15	1
p-Isopropyltoluene	0.16	J	ug/kg	1.4	0.15	1
Naphthalene	9.7		ug/kg	5.5	0.90	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.1	J	ug/kg	1.4	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	2.0	J	ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	4.0		ug/kg	2.8	0.46	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	1.6	J	ug/kg	2.8	0.24	1
p-Ethyltoluene	3.6		ug/kg	2.8	0.53	1
1,2,4,5-Tetramethylbenzene	0.82	J	ug/kg	2.8	0.26	1
Ethyl ether	ND		ug/kg	2.8	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	2.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	102		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 19:21
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1579983-5					
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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 19:21
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1579983-5					
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	2.7	J	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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 19:21
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1579983-5					
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	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07 Batch: WG1580117-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07 Batch: WG1580117-5					
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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03,05,07 Batch: WG1580117-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	89		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1580129-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	7.2	J	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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1580129-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/06/21 06:02
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1580129-5					
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	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	89		70-130

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 06:06
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1580232-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	9.4	J	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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 06:06
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1580232-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/07/21 06:06
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1580232-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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 Batch: WG1579983-3 WG1579983-4								
Methylene chloride	78		100		70-130	25		30
1,1-Dichloroethane	85		86		70-130	1		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	113		115		70-130	2		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	112		114		70-130	2		30
1,1,2-Trichloroethane	108		116		70-130	7		30
Tetrachloroethene	115		116		70-130	1		30
Chlorobenzene	102		103		70-130	1		30
Trichlorofluoromethane	96		94		70-139	2		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	109		109		70-130	0		30
Bromodichloromethane	110		112		70-130	2		30
trans-1,3-Dichloropropene	106		111		70-130	5		30
cis-1,3-Dichloropropene	106		106		70-130	0		30
1,1-Dichloropropene	104		103		70-130	1		30
Bromoform	97		99		70-130	2		30
1,1,2,2-Tetrachloroethane	114		118		70-130	3		30
Benzene	102		103		70-130	1		30
Toluene	98		102		70-130	4		30
Ethylbenzene	103		104		70-130	1		30
Chloromethane	53		52		52-130	2		30
Bromomethane	95		90		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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 Batch: WG1579983-3 WG1579983-4								
Vinyl chloride	68		68		67-130	0		30
Chloroethane	68		66		50-151	3		30
1,1-Dichloroethene	82		81		65-135	1		30
trans-1,2-Dichloroethene	84		116		70-130	**32**	Q	30
Trichloroethene	100		102		70-130	2		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	98		99		70-130	1		30
1,4-Dichlorobenzene	101		101		70-130	0		30
Methyl tert butyl ether	103		**168**	Q	66-130	**48**	Q	30
p/m-Xylene	103		104		70-130	1		30
o-Xylene	101		101		70-130	0		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	94		96		70-130	2		30
Styrene	104		106		70-130	2		30
Dichlorodifluoromethane	95		93		30-146	2		30
Acetone	86		118		54-140	**31**	Q	30
Carbon disulfide	78		76		59-130	3		30
2-Butanone	95		105		70-130	10		30
Vinyl acetate	103		107		70-130	4		30
4-Methyl-2-pentanone	83		91		70-130	9		30
1,2,3-Trichloropropane	100		110		68-130	10		30
2-Hexanone	104		114		70-130	9		30
Bromochloromethane	90		90		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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 Batch: WG1579983-3 WG1579983-4								
2,2-Dichloropropane	111		111		70-130	0		30
1,2-Dibromoethane	94		99		70-130	5		30
1,3-Dichloropropane	109		116		69-130	6		30
1,1,1,2-Tetrachloroethane	109		111		70-130	2		30
Bromobenzene	101		102		70-130	1		30
n-Butylbenzene	99		98		70-130	1		30
sec-Butylbenzene	103		101		70-130	2		30
tert-Butylbenzene	101		100		70-130	1		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	99		107		68-130	8		30
Hexachlorobutadiene	118		118		67-130	0		30
Isopropylbenzene	101		100		70-130	1		30
p-Isopropyltoluene	101		101		70-130	0		30
Naphthalene	84		89		70-130	6		30
Acrylonitrile	73		77		70-130	5		30
n-Propylbenzene	104		100		70-130	4		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	97		97		70-130	0		30
1,3,5-Trimethylbenzene	101		99		70-130	2		30
1,2,4-Trimethylbenzene	101		100		70-130	1		30
1,4-Dioxane	84		93		65-136	10		30
p-Diethylbenzene	95		93		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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 Batch: WG1579983-3 WG1579983-4								
p-Ethyltoluene	102		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	92		93		70-130	1		30
Ethyl ether	89		91		67-130	2		30
trans-1,4-Dichloro-2-butene	100		106		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		99		70-130
Toluene-d8	95		98		70-130
4-Bromofluorobenzene	93		95		70-130
Dibromofluoromethane	88		90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07 Batch: WG1580117-3 WG1580117-4								
Methylene chloride	79		90		70-130	13		30
1,1-Dichloroethane	79		78		70-130	1		30
Chloroform	87		88		70-130	1		30
Carbon tetrachloride	100		97		70-130	3		30
1,2-Dichloropropane	86		85		70-130	1		30
Dibromochloromethane	108		109		70-130	1		30
1,1,2-Trichloroethane	110		112		70-130	2		30
Tetrachloroethene	103		105		70-130	2		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	84		82		70-139	2		30
1,2-Dichloroethane	84		85		70-130	1		30
1,1,1-Trichloroethane	97		94		70-130	3		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	101		105		70-130	4		30
cis-1,3-Dichloropropene	97		101		70-130	4		30
1,1-Dichloropropene	94		91		70-130	3		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	115		120		70-130	4		30
Benzene	96		94		70-130	2		30
Toluene	96		93		70-130	3		30
Ethylbenzene	95		96		70-130	1		30
Chloromethane	**47**	Q	**45**	Q	52-130	4		30
Bromomethane	91		85		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07 Batch: WG1580117-3 WG1580117-4								
Vinyl chloride	**64**	Q	**62**	Q	67-130	3		30
Chloroethane	64		60		50-151	6		30
1,1-Dichloroethene	79		76		65-135	4		30
trans-1,2-Dichloroethene	80		112		70-130	**33**	Q	30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	89		93		70-130	4		30
1,3-Dichlorobenzene	86		93		70-130	8		30
1,4-Dichlorobenzene	87		94		70-130	8		30
Methyl tert butyl ether	109		**136**	Q	66-130	22		30
p/m-Xylene	94		95		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	86		86		70-130	0		30
Dibromomethane	89		91		70-130	2		30
Styrene	97		99		70-130	2		30
Dichlorodifluoromethane	85		80		30-146	6		30
Acetone	60		100		54-140	**50**	Q	30
Carbon disulfide	76		71		59-130	7		30
2-Butanone	74		94		70-130	24		30
Vinyl acetate	94		98		70-130	4		30
4-Methyl-2-pentanone	85		92		70-130	8		30
1,2,3-Trichloropropane	102		105		68-130	3		30
2-Hexanone	92		107		70-130	15		30
Bromochloromethane	87		86		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07 Batch: WG1580117-3 WG1580117-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	109		113		69-130	4		30
1,1,1,2-Tetrachloroethane	102		103		70-130	1		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	80		88		70-130	10		30
sec-Butylbenzene	92		91		70-130	1		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	108		109		70-130	1		30
p-Chlorotoluene	86		91		70-130	6		30
1,2-Dibromo-3-chloropropane	103		110		68-130	7		30
Hexachlorobutadiene	100		104		67-130	4		30
Isopropylbenzene	93		92		70-130	1		30
p-Isopropyltoluene	87		90		70-130	3		30
Naphthalene	82		86		70-130	5		30
Acrylonitrile	72		76		70-130	5		30
n-Propylbenzene	89		91		70-130	2		30
1,2,3-Trichlorobenzene	82		92		70-130	11		30
1,2,4-Trichlorobenzene	78		90		70-130	14		30
1,3,5-Trimethylbenzene	90		91		70-130	1		30
1,2,4-Trimethylbenzene	87		90		70-130	3		30
1,4-Dioxane	89		93		65-136	4		30
p-Diethylbenzene	79		85		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03,05,07 Batch: WG1580117-3 WG1580117-4								
p-Ethyltoluene	87		92		70-130	6		30
1,2,4,5-Tetramethylbenzene	77		84		70-130	9		30
Ethyl ether	94		93		67-130	1		30
trans-1,4-Dichloro-2-butene	90		100		70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	89		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1580129-3 WG1580129-4								
Methylene chloride	79		90		70-130	13		30
1,1-Dichloroethane	79		78		70-130	1		30
Chloroform	87		88		70-130	1		30
Carbon tetrachloride	100		97		70-130	3		30
1,2-Dichloropropane	86		85		70-130	1		30
Dibromochloromethane	108		109		70-130	1		30
1,1,2-Trichloroethane	110		112		70-130	2		30
Tetrachloroethene	103		105		70-130	2		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	84		82		70-139	2		30
1,2-Dichloroethane	84		85		70-130	1		30
1,1,1-Trichloroethane	97		94		70-130	3		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	101		105		70-130	4		30
cis-1,3-Dichloropropene	97		101		70-130	4		30
1,1-Dichloropropene	94		91		70-130	3		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	115		120		70-130	4		30
Benzene	96		94		70-130	2		30
Toluene	96		93		70-130	3		30
Ethylbenzene	95		96		70-130	1		30
Chloromethane	**47**	Q	**45**	Q	52-130	4		30
Bromomethane	91		85		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1580129-3 WG1580129-4								
Vinyl chloride	**64**	Q	**62**	Q	67-130	3		30
Chloroethane	64		60		50-151	6		30
1,1-Dichloroethene	79		76		65-135	4		30
trans-1,2-Dichloroethene	80		112		70-130	**33**	Q	30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	89		93		70-130	4		30
1,3-Dichlorobenzene	86		93		70-130	8		30
1,4-Dichlorobenzene	87		94		70-130	8		30
Methyl tert butyl ether	109		**136**	Q	66-130	22		30
p/m-Xylene	94		95		70-130	1		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	86		86		70-130	0		30
Dibromomethane	89		91		70-130	2		30
Styrene	97		99		70-130	2		30
Dichlorodifluoromethane	85		80		30-146	6		30
Acetone	60		100		54-140	**50**	Q	30
Carbon disulfide	76		71		59-130	7		30
2-Butanone	74		94		70-130	24		30
Vinyl acetate	94		98		70-130	4		30
4-Methyl-2-pentanone	85		92		70-130	8		30
1,2,3-Trichloropropane	102		105		68-130	3		30
2-Hexanone	92		107		70-130	15		30
Bromochloromethane	87		86		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1580129-3 WG1580129-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	109		113		69-130	4		30
1,1,1,2-Tetrachloroethane	102		103		70-130	1		30
Bromobenzene	94		95		70-130	1		30
n-Butylbenzene	80		88		70-130	10		30
sec-Butylbenzene	92		91		70-130	1		30
tert-Butylbenzene	93		91		70-130	2		30
o-Chlorotoluene	108		109		70-130	1		30
p-Chlorotoluene	86		91		70-130	6		30
1,2-Dibromo-3-chloropropane	103		110		68-130	7		30
Hexachlorobutadiene	100		104		67-130	4		30
Isopropylbenzene	93		92		70-130	1		30
p-Isopropyltoluene	87		90		70-130	3		30
Naphthalene	82		86		70-130	5		30
Acrylonitrile	72		76		70-130	5		30
n-Propylbenzene	89		91		70-130	2		30
1,2,3-Trichlorobenzene	82		92		70-130	11		30
1,2,4-Trichlorobenzene	78		90		70-130	14		30
1,3,5-Trimethylbenzene	90		91		70-130	1		30
1,2,4-Trimethylbenzene	87		90		70-130	3		30
1,4-Dioxane	89		93		65-136	4		30
p-Diethylbenzene	79		85		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1580129-3 WG1580129-4								
p-Ethyltoluene	87		92		70-130	6		30
1,2,4,5-Tetramethylbenzene	77		84		70-130	9		30
Ethyl ether	94		93		67-130	1		30
trans-1,4-Dichloro-2-butene	90		100		70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	89		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1580232-3 WG1580232-4								
Methylene chloride	88		90		70-130	2		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	97		96		70-130	1		30
Carbon tetrachloride	98		96		70-130	2		30
1,2-Dichloropropane	86		91		70-130	6		30
Dibromochloromethane	87		87		70-130	0		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	102		101		70-130	1		30
Chlorobenzene	96		97		70-130	1		30
Trichlorofluoromethane	114		98		70-139	15		30
1,2-Dichloroethane	99		92		70-130	7		30
1,1,1-Trichloroethane	104		99		70-130	5		30
Bromodichloromethane	99		101		70-130	2		30
trans-1,3-Dichloropropene	102		98		70-130	4		30
cis-1,3-Dichloropropene	92		94		70-130	2		30
1,1-Dichloropropene	105		104		70-130	1		30
Bromoform	91		89		70-130	2		30
1,1,2,2-Tetrachloroethane	102		99		70-130	3		30
Benzene	98		97		70-130	1		30
Toluene	97		100		70-130	3		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	70		60		52-130	15		30
Bromomethane	116		95		57-147	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1580232-3 WG1580232-4								
Vinyl chloride	98		81		67-130	19		30
Chloroethane	139		115		50-151	19		30
1,1-Dichloroethene	91		96		65-135	5		30
trans-1,2-Dichloroethene	93		94		70-130	1		30
Trichloroethene	96		97		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	103		96		70-130	7		30
1,4-Dichlorobenzene	93		95		70-130	2		30
Methyl tert butyl ether	101		98		66-130	3		30
p/m-Xylene	105		105		70-130	0		30
o-Xylene	101		105		70-130	4		30
cis-1,2-Dichloroethene	89		93		70-130	4		30
Dibromomethane	92		90		70-130	2		30
Styrene	105		107		70-130	2		30
Dichlorodifluoromethane	87		87		30-146	0		30
Acetone	80		78		54-140	3		30
Carbon disulfide	88		94		59-130	7		30
2-Butanone	**67**	Q	**68**	Q	70-130	1		30
Vinyl acetate	86		82		70-130	5		30
4-Methyl-2-pentanone	73		71		70-130	3		30
1,2,3-Trichloropropane	106		100		68-130	6		30
2-Hexanone	**68**	Q	70		70-130	3		30
Bromochloromethane	86		86		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1580232-3 WG1580232-4								
2,2-Dichloropropane	108		105		70-130	3		30
1,2-Dibromoethane	90		89		70-130	1		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	108		110		70-130	2		30
sec-Butylbenzene	110		103		70-130	7		30
tert-Butylbenzene	103		100		70-130	3		30
o-Chlorotoluene	110		103		70-130	7		30
p-Chlorotoluene	107		103		70-130	4		30
1,2-Dibromo-3-chloropropane	74		73		68-130	1		30
Hexachlorobutadiene	105		105		67-130	0		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	108		103		70-130	5		30
Naphthalene	95		88		70-130	8		30
Acrylonitrile	79		80		70-130	1		30
n-Propylbenzene	113		107		70-130	5		30
1,2,3-Trichlorobenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	99		100		70-130	1		30
1,3,5-Trimethylbenzene	109		105		70-130	4		30
1,2,4-Trimethylbenzene	109		104		70-130	5		30
1,4-Dioxane	72		75		65-136	4		30
p-Diethylbenzene	102		104		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG1580232-3 WG1580232-4								
p-Ethyltoluene	109		105		70-130	4		30
1,2,4,5-Tetramethylbenzene	97		98		70-130	1		30
Ethyl ether	117		100		67-130	16		30
trans-1,4-Dichloro-2-butene	111		99		70-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		99		70-130
Toluene-d8	102		106		70-130
4-Bromofluorobenzene	106		103		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01 D
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/21 14:09
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/03/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	650	J	ug/kg	760	99.	5
1,2,4-Trichlorobenzene	ND		ug/kg	960	110	5
Hexachlorobenzene	ND		ug/kg	570	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	130	5
2-Chloronaphthalene	ND		ug/kg	960	95.	5
1,2-Dichlorobenzene	ND		ug/kg	960	170	5
1,3-Dichlorobenzene	ND		ug/kg	960	160	5
1,4-Dichlorobenzene	ND		ug/kg	960	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	960	250	5
2,4-Dinitrotoluene	ND		ug/kg	960	190	5
2,6-Dinitrotoluene	ND		ug/kg	960	160	5
Fluoranthene	13000		ug/kg	570	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	960	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	960	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	96.	5
Hexachlorobutadiene	ND		ug/kg	960	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	860	5
Hexachloroethane	ND		ug/kg	760	150	5
Isophorone	ND		ug/kg	860	120	5
Naphthalene	320	J	ug/kg	960	120	5
Nitrobenzene	ND		ug/kg	860	140	5
NDPA/DPA	ND		ug/kg	760	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	960	150	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	960	330	5
Butyl benzyl phthalate	340	J	ug/kg	960	240	5
Di-n-butylphthalate	ND		ug/kg	960	180	5
Di-n-octylphthalate	ND		ug/kg	960	320	5

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01 D
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	960	88.	5
Dimethyl phthalate	ND		ug/kg	960	200	5
Benzo(a)anthracene	5700		ug/kg	570	110	5
Benzo(a)pyrene	5500		ug/kg	760	230	5
Benzo(b)fluoranthene	6800		ug/kg	570	160	5
Benzo(k)fluoranthene	2600		ug/kg	570	150	5
Chrysene	5600		ug/kg	570	99.	5
Acenaphthylene	470	J	ug/kg	760	150	5
Anthracene	1800		ug/kg	570	190	5
Benzo(ghi)perylene	3400		ug/kg	760	110	5
Fluorene	700	J	ug/kg	960	93.	5
Phenanthrene	7600		ug/kg	570	120	5
Dibenzo(a,h)anthracene	790		ug/kg	570	110	5
Indeno(1,2,3-cd)pyrene	3800		ug/kg	760	130	5
Pyrene	12000		ug/kg	570	95.	5
Biphenyl	ND		ug/kg	2200	220	5
4-Chloroaniline	ND		ug/kg	960	170	5
2-Nitroaniline	ND		ug/kg	960	180	5
3-Nitroaniline	ND		ug/kg	960	180	5
4-Nitroaniline	ND		ug/kg	960	400	5
Dibenzofuran	400	J	ug/kg	960	90.	5
2-Methylnaphthalene	180	J	ug/kg	1100	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	960	100	5
Acetophenone	ND		ug/kg	960	120	5
2,4,6-Trichlorophenol	ND		ug/kg	570	180	5
p-Chloro-m-cresol	ND		ug/kg	960	140	5
2-Chlorophenol	ND		ug/kg	960	110	5
2,4-Dichlorophenol	ND		ug/kg	860	150	5
2,4-Dimethylphenol	ND		ug/kg	960	320	5
2-Nitrophenol	ND		ug/kg	2100	360	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4600	440	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	460	5
Pentachlorophenol	ND		ug/kg	760	210	5
Phenol	ND		ug/kg	960	140	5
2-Methylphenol	ND		ug/kg	960	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01 D
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
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	960	180	5
Benzoic Acid	ND		ug/kg	3100	970	5
Benzyl Alcohol	ND		ug/kg	960	290	5
Carbazole	590	J	ug/kg	960	93.	5
1,4-Dioxane	ND		ug/kg	140	44.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	111		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	84		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/21 02:49
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	43	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	440		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	28	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02 Date Collected: 12/01/21 09:10

Client ID: B-2 (8-10') Date Received: 12/01/21

Sample Location: 169 3RD 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	41.	1
Benzo(a)anthracene	210		ug/kg	120	22.	1
Benzo(a)pyrene	190		ug/kg	160	48.	1
Benzo(b)fluoranthene	220		ug/kg	120	33.	1
Benzo(k)fluoranthene	77	J	ug/kg	120	31.	1
Chrysene	200		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	100	J	ug/kg	120	38.	1
Benzo(ghi)perylene	99	J	ug/kg	160	23.	1
Fluorene	44	J	ug/kg	190	19.	1
Phenanthrene	340		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	32	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	150	J	ug/kg	160	27.	1
Pyrene	360		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	25	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	32	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	84		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/21 03:11
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	38	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	710		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	34	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03 Date Collected: 12/01/21 11:02

Client ID: B-3 (5-7') Date Received: 12/01/21

Sample Location: 169 3RD 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	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	330		ug/kg	120	23.	1
Benzo(a)pyrene	320		ug/kg	160	49.	1
Benzo(b)fluoranthene	420		ug/kg	120	34.	1
Benzo(k)fluoranthene	140		ug/kg	120	32.	1
Chrysene	330		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	90	J	ug/kg	120	39.	1
Benzo(ghi)perylene	220		ug/kg	160	24.	1
Fluorene	35	J	ug/kg	200	20.	1
Phenanthrene	440		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	60	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	160	28.	1
Pyrene	610		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	22	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:02
Date Received: 12/01/21
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	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	50	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	24		10-136
4-Terphenyl-d14	64		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/04/21 02:53
Analyst: WR
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 12/03/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	42.	1
1,3-Dichlorobenzene	ND		ug/kg	230	40.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	330		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	79.	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04 Date Collected: 12/01/21 10:30

Client ID: B-4 (13-15') Date Received: 12/01/21

Sample Location: 169 3RD 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	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	530	54.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	96.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	110	J	ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	500	87.	1
4-Nitrophenol	ND		ug/kg	320	94.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	58	J	ug/kg	330	36.	1

Project Name: 169 3RD AVENUE
Lab Number: L2165831
Project Number: 0204090
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 10:30
Date Received: 12/01/21
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	230	44.	1
Benzoic Acid	ND		ug/kg	750	230	1
Benzyl Alcohol	ND		ug/kg	230	71.	1
Carbazole	ND		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	35	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	73		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/04/21 02:05
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/03/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05 Date Collected: 12/01/21 11:35

Client ID: B-5 (8-10') Date Received: 12/01/21

Sample Location: 169 3RD 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	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 169 3RD AVENUE
Lab Number: L2165831
Project Number: 0204090
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	65		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/06/21 03:34
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	61	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	390		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06 Date Collected: 12/01/21 12:00

Client ID: B-6 (12-14') Date Received: 12/01/21

Sample Location: 169 3RD 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	91	J	ug/kg	110	21.	1
Benzo(a)pyrene	140	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	130		ug/kg	110	32.	1
Benzo(k)fluoranthene	37	J	ug/kg	110	30.	1
Chrysene	86	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	140	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	53	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	40	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	26.	1
Pyrene	70	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	320		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 169 3RD AVENUE
Lab Number: L2165831
Project Number: 0204090
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	56		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/07/21 14:32
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/03/21 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	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	31.	1
Fluoranthene	3000		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	210		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	360		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: 169 3RD AVENUE **Lab Number:** L2165831

Project Number: 0204090 **Report Date:** 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07 Date Collected: 12/01/21 12:35

Client ID: B-7 (2-4') Date Received: 12/01/21

Sample Location: 169 3RD 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	1400		ug/kg	110	20.	1
Benzo(a)pyrene	1600		ug/kg	140	44.	1
Benzo(b)fluoranthene	2100		ug/kg	110	30.	1
Benzo(k)fluoranthene	630		ug/kg	110	28.	1
Chrysene	1400		ug/kg	110	18.	1
Acenaphthylene	160		ug/kg	140	28.	1
Anthracene	410		ug/kg	110	35.	1
Benzo(ghi)perylene	1000		ug/kg	140	21.	1
Fluorene	160	J	ug/kg	180	17.	1
Phenanthrene	1800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	270		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	25.	1
Pyrene	2900		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	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	160	J	ug/kg	180	17.	1
2-Methylnaphthalene	100	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 169 3RD AVENUE
Lab Number: L2165831
Project Number: 0204090
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:35
Date Received: 12/01/21
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	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	180		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	69		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 07:17
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/02/21 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1578433-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 07:17
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/02/21 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1578433-1					
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	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/03/21 07:17
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 12/02/21 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1578433-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	85		18-120

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 19:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06 Batch: WG1579125-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 19:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06 Batch: WG1579125-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	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	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/05/21 19:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 12/04/21 11:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06 Batch: WG1579125-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1578433-2 WG1578433-3								
Acenaphthene	66		70		31-137	6		50
1,2,4-Trichlorobenzene	65		69		38-107	6		50
Hexachlorobenzene	76		81		40-140	6		50
Bis(2-chloroethyl)ether	63		67		40-140	6		50
2-Chloronaphthalene	68		72		40-140	6		50
1,2-Dichlorobenzene	62		66		40-140	6		50
1,3-Dichlorobenzene	62		65		40-140	5		50
1,4-Dichlorobenzene	62		65		28-104	5		50
3,3'-Dichlorobenzidine	51		55		40-140	8		50
2,4-Dinitrotoluene	70		76		40-132	8		50
2,6-Dinitrotoluene	73		80		40-140	9		50
Fluoranthene	69		74		40-140	7		50
4-Chlorophenyl phenyl ether	71		76		40-140	7		50
4-Bromophenyl phenyl ether	77		81		40-140	5		50
Bis(2-chloroisopropyl)ether	61		66		40-140	8		50
Bis(2-chloroethoxy)methane	66		71		40-117	7		50
Hexachlorobutadiene	69		74		40-140	7		50
Hexachlorocyclopentadiene	73		78		40-140	7		50
Hexachloroethane	61		64		40-140	5		50
Isophorone	65		70		40-140	7		50
Naphthalene	64		68		40-140	6		50
Nitrobenzene	63		66		40-140	5		50
NDPA/DPA	69		75		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1578433-2 WG1578433-3								
n-Nitrosodi-n-propylamine	64		69		32-121	8		50
Bis(2-ethylhexyl)phthalate	71		77		40-140	8		50
Butyl benzyl phthalate	74		81		40-140	9		50
Di-n-butylphthalate	75		81		40-140	8		50
Di-n-octylphthalate	67		73		40-140	9		50
Diethyl phthalate	71		75		40-140	5		50
Dimethyl phthalate	72		76		40-140	5		50
Benzo(a)anthracene	65		70		40-140	7		50
Benzo(a)pyrene	61		66		40-140	8		50
Benzo(b)fluoranthene	70		74		40-140	6		50
Benzo(k)fluoranthene	66		74		40-140	11		50
Chrysene	66		71		40-140	7		50
Acenaphthylene	65		70		40-140	7		50
Anthracene	67		72		40-140	7		50
Benzo(ghi)perylene	64		69		40-140	8		50
Fluorene	68		73		40-140	7		50
Phenanthrene	65		70		40-140	7		50
Dibenzo(a,h)anthracene	67		72		40-140	7		50
Indeno(1,2,3-cd)pyrene	66		72		40-140	9		50
Pyrene	69		74		35-142	7		50
Biphenyl	71		76		37-127	7		50
4-Chloroaniline	56		48		40-140	15		50
2-Nitroaniline	70		75		47-134	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1578433-2 WG1578433-3								
3-Nitroaniline	57		60		26-129	5		50
4-Nitroaniline	68		75		41-125	10		50
Dibenzofuran	66		70		40-140	6		50
2-Methylnaphthalene	66		70		40-140	6		50
1,2,4,5-Tetrachlorobenzene	73		78		40-117	7		50
Acetophenone	68		72		14-144	6		50
2,4,6-Trichlorophenol	72		77		30-130	7		50
p-Chloro-m-cresol	69		74		26-103	7		50
2-Chlorophenol	66		70		25-102	6		50
2,4-Dichlorophenol	72		77		30-130	7		50
2,4-Dimethylphenol	67		71		30-130	6		50
2-Nitrophenol	69		75		30-130	8		50
4-Nitrophenol	61		68		11-114	11		50
2,4-Dinitrophenol	41		58		4-130	34		50
4,6-Dinitro-o-cresol	70		78		10-130	11		50
Pentachlorophenol	74		81		17-109	9		50
Phenol	63		67		26-90	6		50
2-Methylphenol	67		71		30-130.	6		50
3-Methylphenol/4-Methylphenol	67		72		30-130	7		50
2,4,5-Trichlorophenol	75		81		30-130	8		50
Benzoic Acid	**0**	Q	19		10-110	NC		50
Benzyl Alcohol	63		69		40-140	9		50
Carbazole	67		72		54-128	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1578433-2 WG1578433-3								
1,4-Dioxane	42		45		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		73		25-120
Phenol-d6	71		76		10-120
Nitrobenzene-d5	64		69		23-120
2-Fluorobiphenyl	70		77		30-120
2,4,6-Tribromophenol	89		95		10-136
4-Terphenyl-d14	79		87		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06 Batch: WG1579125-2 WG1579125-3								
Acenaphthene	78		79		31-137	1		50
1,2,4-Trichlorobenzene	73		74		38-107	1		50
Hexachlorobenzene	90		92		40-140	2		50
Bis(2-chloroethyl)ether	60		62		40-140	3		50
2-Chloronaphthalene	82		83		40-140	1		50
1,2-Dichlorobenzene	68		70		40-140	3		50
1,3-Dichlorobenzene	67		69		40-140	3		50
1,4-Dichlorobenzene	68		70		28-104	3		50
3,3'-Dichlorobenzidine	55		66		40-140	18		50
2,4-Dinitrotoluene	92		93		40-132	1		50
2,6-Dinitrotoluene	91		94		40-140	3		50
Fluoranthene	83		86		40-140	4		50
4-Chlorophenyl phenyl ether	82		82		40-140	0		50
4-Bromophenyl phenyl ether	92		91		40-140	1		50
Bis(2-chloroisopropyl)ether	61		63		40-140	3		50
Bis(2-chloroethoxy)methane	66		67		40-117	2		50
Hexachlorobutadiene	84		86		40-140	2		50
Hexachlorocyclopentadiene	66		67		40-140	2		50
Hexachloroethane	68		72		40-140	6		50
Isophorone	72		74		40-140	3		50
Naphthalene	73		75		40-140	3		50
Nitrobenzene	71		72		40-140	1		50
NDPA/DPA	82		85		36-157	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06 Batch: WG1579125-2 WG1579125-3								
n-Nitrosodi-n-propylamine	69		70		32-121	1		50
Bis(2-ethylhexyl)phthalate	90		93		40-140	3		50
Butyl benzyl phthalate	90		94		40-140	4		50
Di-n-butylphthalate	85		90		40-140	6		50
Di-n-octylphthalate	89		93		40-140	4		50
Diethyl phthalate	84		86		40-140	2		50
Dimethyl phthalate	87		89		40-140	2		50
Benzo(a)anthracene	77		81		40-140	5		50
Benzo(a)pyrene	78		82		40-140	5		50
Benzo(b)fluoranthene	87		91		40-140	4		50
Benzo(k)fluoranthene	80		83		40-140	4		50
Chrysene	76		78		40-140	3		50
Acenaphthylene	80		82		40-140	2		50
Anthracene	78		81		40-140	4		50
Benzo(ghi)perylene	85		88		40-140	3		50
Fluorene	82		84		40-140	2		50
Phenanthrene	76		78		40-140	3		50
Dibenzo(a,h)anthracene	88		90		40-140	2		50
Indeno(1,2,3-cd)pyrene	82		83		40-140	1		50
Pyrene	81		84		35-142	4		50
Biphenyl	86		87		37-127	1		50
4-Chloroaniline	81		84		40-140	4		50
2-Nitroaniline	90		92		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06 Batch: WG1579125-2 WG1579125-3								
3-Nitroaniline	67		70		26-129	4		50
4-Nitroaniline	79		82		41-125	4		50
Dibenzofuran	79		80		40-140	1		50
2-Methylnaphthalene	79		81		40-140	3		50
1,2,4,5-Tetrachlorobenzene	89		91		40-117	2		50
Acetophenone	74		75		14-144	1		50
2,4,6-Trichlorophenol	95		98		30-130	3		50
p-Chloro-m-cresol	90		91		26-103	1		50
2-Chlorophenol	72		74		25-102	3		50
2,4-Dichlorophenol	84		83		30-130	1		50
2,4-Dimethylphenol	77		78		30-130	1		50
2-Nitrophenol	79		80		30-130	1		50
4-Nitrophenol	86		87		11-114	1		50
2,4-Dinitrophenol	48		54		4-130	12		50
4,6-Dinitro-o-cresol	92		93		10-130	1		50
Pentachlorophenol	79		79		17-109	0		50
Phenol	67		68		26-90	1		50
2-Methylphenol	72		74		30-130.	3		50
3-Methylphenol/4-Methylphenol	80		80		30-130	0		50
2,4,5-Trichlorophenol	94		96		30-130	2		50
Benzoic Acid	20		21		10-110	5		50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	78		81		54-128	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06 Batch: WG1579125-2 WG1579125-3								
1,4-Dioxane	41		40		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		71		25-120
Phenol-d6	73		75		10-120
Nitrobenzene-d5	72		72		23-120
2-Fluorobiphenyl	81		83		30-120
2,4,6-Tribromophenol	94		95		10-136
4-Terphenyl-d14	86		89		18-120

METALS

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 08:43
Date Received: 12/01/21
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	4790		mg/kg	8.81	2.38	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Antimony, Total	3.12	J	mg/kg	4.41	0.335	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Arsenic, Total	8.06		mg/kg	0.881	0.183	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Barium, Total	470		mg/kg	0.881	0.153	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Beryllium, Total	0.300	J	mg/kg	0.441	0.029	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Cadmium, Total	2.09		mg/kg	0.881	0.086	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Calcium, Total	12400		mg/kg	8.81	3.08	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Chromium, Total	16.6		mg/kg	0.881	0.085	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Cobalt, Total	5.99		mg/kg	1.76	0.146	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Copper, Total	82.7		mg/kg	0.881	0.227	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Iron, Total	17100		mg/kg	4.41	0.796	2	12/03/21 19:25	12/06/21 11:32	EPA 3050B	1,6010D	EW
Lead, Total	561		mg/kg	4.41	0.236	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Magnesium, Total	3760		mg/kg	8.81	1.36	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Manganese, Total	222		mg/kg	0.881	0.140	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Mercury, Total	1.08		mg/kg	0.081	0.053	1	12/03/21 19:49	12/04/21 15:14	EPA 7471B	1,7471B	NB
Nickel, Total	44.4		mg/kg	2.20	0.213	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Potassium, Total	1060		mg/kg	220	12.7	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Selenium, Total	0.987	J	mg/kg	1.76	0.227	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Silver, Total	0.529	J	mg/kg	0.881	0.249	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Sodium, Total	148	J	mg/kg	176	2.78	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.278	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Vanadium, Total	24.0		mg/kg	0.881	0.179	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW
Zinc, Total	681		mg/kg	4.41	0.258	2	12/03/21 19:25	12/05/21 15:23	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5950		mg/kg	9.00	2.43	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Antimony, Total	0.828	J	mg/kg	4.50	0.342	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Arsenic, Total	3.06		mg/kg	0.900	0.187	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Barium, Total	75.6		mg/kg	0.900	0.156	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Beryllium, Total	0.333	J	mg/kg	0.450	0.030	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Cadmium, Total	0.522	J	mg/kg	0.900	0.088	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Calcium, Total	1170		mg/kg	9.00	3.15	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Chromium, Total	13.3		mg/kg	0.900	0.086	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Cobalt, Total	5.61		mg/kg	1.80	0.149	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Copper, Total	18.4		mg/kg	0.900	0.232	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Iron, Total	12600		mg/kg	4.50	0.812	2	12/03/21 19:25	12/06/21 11:37	EPA 3050B	1,6010D	EW
Lead, Total	140		mg/kg	4.50	0.241	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Magnesium, Total	1730		mg/kg	9.00	1.38	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Manganese, Total	216		mg/kg	0.900	0.143	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Mercury, Total	0.558		mg/kg	0.093	0.061	1	12/03/21 19:49	12/04/21 15:24	EPA 7471B	1,7471B	NB
Nickel, Total	19.0		mg/kg	2.25	0.218	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Potassium, Total	574		mg/kg	225	13.0	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Selenium, Total	0.621	J	mg/kg	1.80	0.232	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.900	0.255	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Sodium, Total	104	J	mg/kg	180	2.83	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.80	0.283	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Vanadium, Total	18.7		mg/kg	0.900	0.183	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW
Zinc, Total	53.6		mg/kg	4.50	0.264	2	12/03/21 19:25	12/05/21 15:28	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2590		mg/kg	9.42	2.54	2	12/03/21 19:25	12/06/21 11:41	EPA 3050B	1,6010D	EW
Antimony, Total	1.10	J	mg/kg	4.71	0.358	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Arsenic, Total	9.32		mg/kg	0.942	0.196	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Barium, Total	136		mg/kg	0.942	0.164	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Beryllium, Total	0.113	J	mg/kg	0.471	0.031	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Cadmium, Total	1.03		mg/kg	0.942	0.092	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Calcium, Total	54600		mg/kg	47.1	16.5	10	12/03/21 19:25	12/06/21 14:32	EPA 3050B	1,6010D	GD
Chromium, Total	8.65		mg/kg	0.942	0.090	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Cobalt, Total	3.36		mg/kg	1.88	0.156	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Copper, Total	23.5		mg/kg	0.942	0.243	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Iron, Total	17700		mg/kg	4.71	0.851	2	12/03/21 19:25	12/06/21 11:41	EPA 3050B	1,6010D	EW
Lead, Total	194		mg/kg	4.71	0.252	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Magnesium, Total	1740		mg/kg	9.42	1.45	2	12/03/21 19:25	12/06/21 11:41	EPA 3050B	1,6010D	EW
Manganese, Total	151		mg/kg	0.942	0.150	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Mercury, Total	0.528		mg/kg	0.093	0.061	1	12/03/21 19:49	12/04/21 15:27	EPA 7471B	1,7471B	NB
Nickel, Total	13.2		mg/kg	2.36	0.228	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Potassium, Total	498		mg/kg	236	13.6	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Selenium, Total	1.97		mg/kg	1.88	0.243	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.942	0.267	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Sodium, Total	320		mg/kg	188	2.97	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.88	0.297	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Vanadium, Total	20.6		mg/kg	0.942	0.191	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW
Zinc, Total	173		mg/kg	4.71	0.276	2	12/03/21 19:25	12/05/21 16:17	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2710		mg/kg	10.8	2.93	2	12/03/21 19:25	12/06/21 12:17	EPA 3050B	1,6010D	EW
Antimony, Total	0.943	J	mg/kg	5.42	0.412	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Arsenic, Total	16.7		mg/kg	1.08	0.226	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Barium, Total	140		mg/kg	1.08	0.189	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Beryllium, Total	0.249	J	mg/kg	0.542	0.036	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Cadmium, Total	0.444	J	mg/kg	1.08	0.106	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Calcium, Total	5650		mg/kg	10.8	3.80	2	12/03/21 19:25	12/06/21 12:17	EPA 3050B	1,6010D	EW
Chromium, Total	6.19		mg/kg	1.08	0.104	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Cobalt, Total	4.14		mg/kg	2.17	0.180	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Copper, Total	38.5		mg/kg	1.08	0.280	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Iron, Total	7570		mg/kg	5.42	0.979	2	12/03/21 19:25	12/06/21 12:17	EPA 3050B	1,6010D	EW
Lead, Total	277		mg/kg	5.42	0.290	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Magnesium, Total	398		mg/kg	10.8	1.67	2	12/03/21 19:25	12/06/21 12:17	EPA 3050B	1,6010D	EW
Manganese, Total	72.7		mg/kg	1.08	0.172	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Mercury, Total	8.38		mg/kg	0.522	0.340	5	12/03/21 19:49	12/04/21 16:30	EPA 7471B	1,7471B	NB
Nickel, Total	8.47		mg/kg	2.71	0.262	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Potassium, Total	315		mg/kg	271	15.6	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Selenium, Total	5.60		mg/kg	2.17	0.280	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	1.08	0.307	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Sodium, Total	280		mg/kg	217	3.42	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	2.17	0.342	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Vanadium, Total	18.2		mg/kg	1.08	0.220	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW
Zinc, Total	199		mg/kg	5.42	0.318	2	12/03/21 19:25	12/05/21 16:22	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 11:35
Date Received: 12/01/21
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	5900		mg/kg	9.02	2.43	2	12/03/21 19:25	12/06/21 12:21	EPA 3050B	1,6010D	EW
Antimony, Total	0.415	J	mg/kg	4.51	0.343	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Arsenic, Total	2.25		mg/kg	0.902	0.188	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Barium, Total	35.9		mg/kg	0.902	0.157	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Beryllium, Total	0.325	J	mg/kg	0.451	0.030	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Cadmium, Total	0.469	J	mg/kg	0.902	0.088	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Calcium, Total	1280		mg/kg	9.02	3.16	2	12/03/21 19:25	12/06/21 12:21	EPA 3050B	1,6010D	EW
Chromium, Total	10.3		mg/kg	0.902	0.087	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Cobalt, Total	5.59		mg/kg	1.80	0.150	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Copper, Total	11.4		mg/kg	0.902	0.233	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Iron, Total	11200		mg/kg	4.51	0.814	2	12/03/21 19:25	12/06/21 12:21	EPA 3050B	1,6010D	EW
Lead, Total	71.9		mg/kg	4.51	0.242	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Magnesium, Total	1990		mg/kg	9.02	1.39	2	12/03/21 19:25	12/06/21 12:21	EPA 3050B	1,6010D	EW
Manganese, Total	212		mg/kg	0.902	0.143	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Mercury, Total	0.354		mg/kg	0.092	0.060	1	12/03/21 19:49	12/04/21 15:37	EPA 7471B	1,7471B	NB
Nickel, Total	19.0		mg/kg	2.25	0.218	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Potassium, Total	612		mg/kg	225	13.0	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Selenium, Total	0.595	J	mg/kg	1.80	0.233	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.902	0.255	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Sodium, Total	78.8	J	mg/kg	180	2.84	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.80	0.284	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Vanadium, Total	17.1		mg/kg	0.902	0.183	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW
Zinc, Total	32.8		mg/kg	4.51	0.264	2	12/03/21 19:25	12/05/21 16:26	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6930		mg/kg	9.17	2.48	2	12/03/21 19:25	12/06/21 12:26	EPA 3050B	1,6010D	EW
Antimony, Total	0.348	J	mg/kg	4.59	0.348	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Arsenic, Total	1.31		mg/kg	0.917	0.191	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Barium, Total	43.1		mg/kg	0.917	0.160	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Beryllium, Total	0.330	J	mg/kg	0.459	0.030	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Cadmium, Total	0.440	J	mg/kg	0.917	0.090	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Calcium, Total	763		mg/kg	9.17	3.21	2	12/03/21 19:25	12/06/21 12:26	EPA 3050B	1,6010D	EW
Chromium, Total	10.9		mg/kg	0.917	0.088	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Cobalt, Total	5.92		mg/kg	1.83	0.152	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Copper, Total	11.3		mg/kg	0.917	0.237	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Iron, Total	11200		mg/kg	4.59	0.828	2	12/03/21 19:25	12/06/21 12:26	EPA 3050B	1,6010D	EW
Lead, Total	37.2		mg/kg	4.59	0.246	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Magnesium, Total	1940		mg/kg	9.17	1.41	2	12/03/21 19:25	12/06/21 12:26	EPA 3050B	1,6010D	EW
Manganese, Total	104		mg/kg	0.917	0.146	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Mercury, Total	0.152		mg/kg	0.088	0.058	1	12/03/21 19:49	12/04/21 15:40	EPA 7471B	1,7471B	NB
Nickel, Total	17.7		mg/kg	2.29	0.222	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Potassium, Total	552		mg/kg	229	13.2	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Selenium, Total	0.385	J	mg/kg	1.83	0.237	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.917	0.260	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Sodium, Total	85.1	J	mg/kg	183	2.89	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.83	0.289	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Vanadium, Total	16.9		mg/kg	0.917	0.186	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW
Zinc, Total	29.3		mg/kg	4.59	0.269	2	12/03/21 19:25	12/05/21 16:31	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY
Date Collected: 12/01/21 12:35
Date Received: 12/01/21
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	4670		mg/kg	8.19	2.21	2	12/03/21 19:25	12/06/21 12:30	EPA 3050B	1,6010D	EW
Antimony, Total	1100		mg/kg	4.09	0.311	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Arsenic, Total	13.5		mg/kg	0.819	0.170	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Barium, Total	185		mg/kg	0.819	0.142	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Beryllium, Total	0.221	J	mg/kg	0.409	0.027	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Cadmium, Total	0.827		mg/kg	0.819	0.080	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Calcium, Total	21600		mg/kg	8.19	2.87	2	12/03/21 19:25	12/06/21 12:30	EPA 3050B	1,6010D	EW
Chromium, Total	13.9		mg/kg	0.819	0.079	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Cobalt, Total	4.75		mg/kg	1.64	0.136	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Copper, Total	76.4		mg/kg	0.819	0.211	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Iron, Total	11400		mg/kg	4.09	0.740	2	12/03/21 19:25	12/06/21 12:30	EPA 3050B	1,6010D	EW
Lead, Total	5930		mg/kg	4.09	0.219	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Magnesium, Total	3810		mg/kg	8.19	1.26	2	12/03/21 19:25	12/06/21 12:30	EPA 3050B	1,6010D	EW
Manganese, Total	213		mg/kg	0.819	0.130	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Mercury, Total	0.534		mg/kg	0.081	0.053	1	12/03/21 19:49	12/04/21 15:43	EPA 7471B	1,7471B	NB
Nickel, Total	20.9		mg/kg	2.05	0.198	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Potassium, Total	901		mg/kg	205	11.8	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Selenium, Total	0.647	J	mg/kg	1.64	0.211	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Silver, Total	1.31		mg/kg	0.819	0.232	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Sodium, Total	783		mg/kg	164	2.58	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.258	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Vanadium, Total	20.1		mg/kg	0.819	0.166	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW
Zinc, Total	161		mg/kg	4.09	0.240	2	12/03/21 19:25	12/05/21 16:36	EPA 3050B	1,6010D	EW

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

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): 01-07 Batch: WG1578790-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	12/03/21 19:25	12/06/21 11:24	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Sodium, Total	4.44	J	mg/kg	80.0	1.26	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/03/21 19:25	12/05/21 15:09	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1578792-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/03/21 19:49	12/04/21 14:51	1,7471B	NB

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2165831
Report Date: 12/08/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1578790-2 SRM Lot Number: D109-540								
Aluminum, Total	62		-		50-150	-		
Antimony, Total	136		-		19-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	98		-		75-125	-		
Calcium, Total	90		-		73-128	-		
Chromium, Total	88		-		70-130	-		
Cobalt, Total	98		-		75-125	-		
Copper, Total	98		-		75-125	-		
Iron, Total	83		-		35-165	-		
Lead, Total	102		-		72-128	-		
Magnesium, Total	80		-		62-138	-		
Manganese, Total	117		-		74-126	-		
Nickel, Total	102		-		70-130	-		
Potassium, Total	81		-		59-141	-		
Selenium, Total	98		-		68-132	-		
Silver, Total	101		-		68-131	-		
Sodium, Total	92		-		35-165	-		
Thallium, Total	105		-		68-131	-		
Vanadium, Total	89		-		59-141	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1578790-2 SRM Lot Number: D109-540					
Zinc, Total	100	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1578792-2 SRM Lot Number: D109-540					
Mercury, Total	114	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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): 01-07	QC Batch ID: WG1578790-3			WG1578790-4		QC Sample: L2165911-05			Client ID: MS Sample			
Aluminum, Total	4440	291	5720	**439**	Q	9430	**1650**	Q	75-125	**49**	Q	20
Antimony, Total	10.6	72.9	66.3	76		59.6	**65**	Q	75-125	11		20
Arsenic, Total	95.7	17.5	60.2	**0**	Q	44.4	**0**	Q	75-125	**30**	Q	20
Barium, Total	141	291	375	80		338	**65**	Q	75-125	10		20
Beryllium, Total	0.237J	7.29	6.66	91		6.67	88		75-125	0		20
Cadmium, Total	5.57	7.72	9.62	**52**	Q	8.60	**38**	Q	75-125	11		20
Calcium, Total	22000	1460	16900	**0**	Q	8390	**0**	Q	75-125	**67**	Q	20
Chromium, Total	24.2	29.1	44.2	**69**	Q	48.1	79		75-125	8		20
Cobalt, Total	25.6	72.9	82.0	77		70.1	**59**	Q	75-125	16		20
Copper, Total	6990	36.4	1550	**0**	Q	2410	**0**	Q	75-125	**43**	Q	20
Iron, Total	99200	146	78300	**0**	Q	35600	**0**	Q	75-125	**75**	Q	20
Lead, Total	1840	77.2	524	**0**	Q	442	**0**	Q	75-125	17		20
Magnesium, Total	4980	1460	4850	**0**	Q	6050	**71**	Q	75-125	**22**	Q	20
Manganese, Total	1000	72.9	895	**0**	Q	674	**0**	Q	75-125	**28**	Q	20
Nickel, Total	106	72.9	153	**64**	Q	101	**0**	Q	75-125	**41**	Q	20
Potassium, Total	897	1460	2530	112		3220	**154**	Q	75-125	**24**	Q	20
Selenium, Total	3.90	17.5	18.5	83		17.2	**73**	Q	75-125	7		20
Silver, Total	11.4	43.7	44.5	76		45.0	**74**	Q	75-125	1		20
Sodium, Total	482	1460	1960	101		1930	96		75-125	2		20
Thallium, Total	ND	17.5	15.6	89		15.6	86		75-125	0		20
Vanadium, Total	37.6	72.9	98.3	83		92.8	**73**	Q	75-125	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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): 01-07 QC Batch ID: WG1578790-3 WG1578790-4 QC Sample: L2165911-05 Client ID: MS Sample												
Zinc, Total	1330	72.9	334	0	Q	653	0	Q	75-125	65	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1578792-3 WG1578792-4 QC Sample: L2165911-05 Client ID: MS Sample												
Mercury, Total	2.90	0.283	2.07	0	Q	3.33	159	Q	80-120	47	Q	20

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2165831
Report Date: 12/08/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1578790-6 QC Sample: L2165911-05 Client ID: DUP Sample						
Aluminum, Total	4440	4530	mg/kg	2		20
Arsenic, Total	95.7	95.5	mg/kg	0		20
Barium, Total	141	141	mg/kg	0		20
Calcium, Total	22000	23300	mg/kg	6		20
Copper, Total	6990	7710	mg/kg	10		20
Lead, Total	1840	1980	mg/kg	8		20
Magnesium, Total	4980	5760	mg/kg	16		20
Manganese, Total	1000	1070	mg/kg	7		20
Nickel, Total	106	112	mg/kg	6		20
Vanadium, Total	37.6	40.1	mg/kg	7		20
Zinc, Total	1330	1500	mg/kg	13		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1578790-6 QC Sample: L2165911-05 Client ID: DUP Sample						
Iron, Total	99200	71100	mg/kg	**28**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-01
Client ID: B-1 (1-3')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 08:43
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-02
Client ID: B-2 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 09:10
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-03
Client ID: B-3 (5-7')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 11:02
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-04
Client ID: B-4 (13-15')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 10:30
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-05
Client ID: B-5 (8-10')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 11:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-06
Client ID: B-6 (12-14')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

SAMPLE RESULTS

Lab ID: L2165831-07
Client ID: B-7 (2-4')
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/01/21 12:35
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	12/03/21 07:57	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1578592-1 QC Sample: L2165831-01 Client ID: B-1 (1-3')						
Solids, Total	87.0	86.8	%	0		20

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

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(*)
L2165831-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-01B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-01C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-01D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2165831-01F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-02B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-02C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-02D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2165831-02F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-03B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-03C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-03D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2165831-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2165831-03F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-04B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-04C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-04D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2165831-04F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-05B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-05C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-05D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	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),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2165831-05F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-06A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-06B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-06C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-06D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	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),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2165831
Report Date: 12/08/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2165831-06F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)
L2165831-07A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2165831-07B	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-07C	Vial water preserved	A	NA		3.7	Y	Absent	02-DEC-21 15:25	NYTCL-8260HLW(14)
L2165831-07D	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2165831-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2165831-07F	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	169 3RD AVENUE	**Lab Number:**	L2165831
Project Number:	0204090	**Report Date:**	12/08/21

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:	169 3RD AVENUE	**Lab Number:**	L2165831
Project Number:	0204090	**Report Date:**	12/08/21

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:	169 3RD AVENUE	**Lab Number:**	L2165831
Project Number:	0204090	**Report Date:**	12/08/21

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:	169 3RD AVENUE	**Lab Number:**	L2165831
Project Number:	0204090	**Report Date:**	12/08/21

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

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: 12/1/21

ALPHA Job #: L2165831

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

Project Information
Project Name: 169 3rd Avenue
Project Location: 169 3rd Avenue, Brooklyn, NY
Project #: 0204090
(Use Project name as Project #)
Project Manager: Mari Conlon
ALPHAQuote #:

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	NYTCL SVOCs	TAL Total Metals	Sample Specific Comments
L65831-01	B-1 (1-3')	12-1-21	0843	S	ZS	X	X	X	
-02	B-2 (8-10')	12-1-21	0910	S	ZS	X	X	X	
-03	B-3 (5-7')	12-1-21	1102	S	ZS	X	X	X	
-04	B-4 (13-15')	12-1-21	1030	S	ZS	X	X	X	
-05	B-5 (8-10')	12-1-21	1135	S	ZS	X	X	X	
-06	B-6 (12-14')	12-1-21	1200	S	ZS	X	X	X	
-07	B-7 (2-4')	12-1-12	1235	S	ZS	X	X	X	

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
Mark Simmel	12-1-21	MSMA (mm)	12/1/21 13:55
MSMA (mm)	12/1/21 18:10	ZE AAL	12/1 1930
ZE AAL	12/1	DRL AAL	12/1/21 21:30
DRL AAL	12/1/21 23:45		12/1/21 2345

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

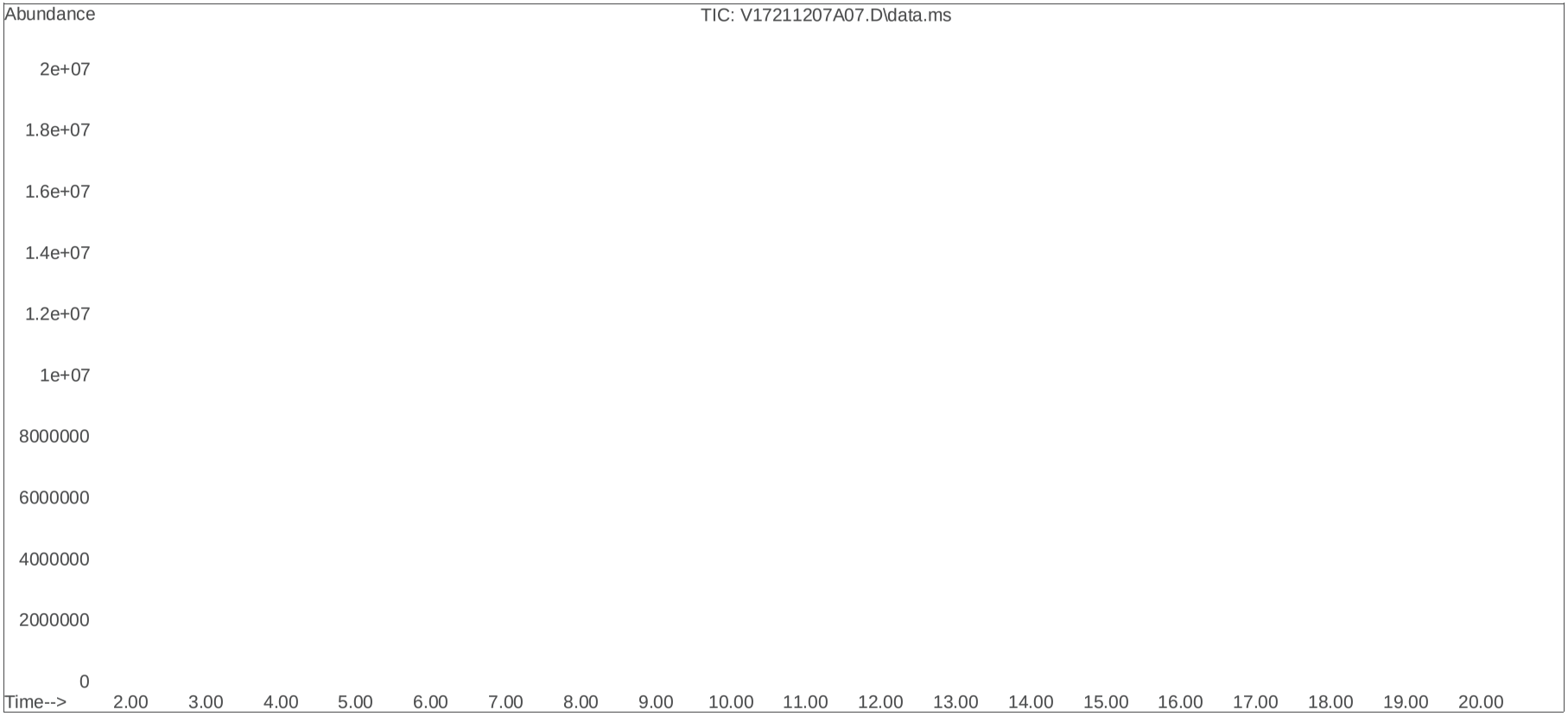
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA117\2021\211207A\
Data File : V17211207A07.D
Acq On : 07 Dec 2021 07:24 am
Operator : VOA117:JC
Sample : L2165831-06,31H,6.69,5,0.100,,A,PRI
Misc : WG1580232,ICAL18358
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 12:53:55 2021
Quant Method : I:\VOLATILES\VOA117\2021\211207A\V117_211005N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 06 07:30:19 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox11207A\V17211207A01.D•



ANALYTICAL REPORT

Lab Number:	L2166754
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	169 3RD AVENUE
Project Number:	0204090
Report Date:	12/13/21

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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166754-01	SV-1	SOIL_VAPOR	169 3RD AVENUE, BROOKLYN, NY	12/06/21 12:14	12/06/21
L2166754-02	SV-2	SOIL_VAPOR	169 3RD AVENUE, BROOKLYN, NY	12/06/21 12:19	12/06/21
L2166754-03	SV-3	SOIL_VAPOR	169 3RD AVENUE, BROOKLYN, NY	12/06/21 12:24	12/06/21

Project Name:	169 3RD AVENUE	**Lab Number:**	L2166754
Project Number:	0204090	**Report Date:**	12/13/21

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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 6, 2021. The canister certification results are provided as an addendum.

L2166754-01D, -02D, and -03D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

The WG1581908-3 LCS recovery for bromoform (132%) 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: 12/13/21

AIR

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-01 D
Client ID: SV-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:14
Date Received: 12/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/21 00:30
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	250.	--	ND	1240	--		1250
Chloromethane	ND	250.	--	ND	516	--		1250
Freon-114	ND	250.	--	ND	1750	--		1250
Vinyl chloride	ND	250.	--	ND	639	--		1250
1,3-Butadiene	ND	250.	--	ND	553	--		1250
Bromomethane	ND	250.	--	ND	971	--		1250
Chloroethane	ND	250.	--	ND	660	--		1250
Ethanol	ND	6250	--	ND	11800	--		1250
Vinyl bromide	ND	250.	--	ND	1090	--		1250
Acetone	ND	1250	--	ND	2970	--		1250
Trichlorofluoromethane	ND	250.	--	ND	1400	--		1250
Isopropanol	ND	625	--	ND	1540	--		1250
1,1-Dichloroethene	ND	250.	--	ND	991	--		1250
Tertiary butyl Alcohol	ND	625.	--	ND	1890	--		1250
Methylene chloride	ND	625.	--	ND	2170	--		1250
3-Chloropropene	ND	250.	--	ND	783	--		1250
Carbon disulfide	ND	250.	--	ND	779	--		1250
Freon-113	ND	250.	--	ND	1920	--		1250
trans-1,2-Dichloroethene	ND	250.	--	ND	991	--		1250
1,1-Dichloroethane	ND	250.	--	ND	1010	--		1250
Methyl tert butyl ether	ND	250.	--	ND	901	--		1250
2-Butanone	ND	625.	--	ND	1840	--		1250
cis-1,2-Dichloroethene	ND	250.	--	ND	991	--		1250

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-01 D
Client ID: SV-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:14
Date Received: 12/06/21
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	625.	--	ND	2250	--		1250
Chloroform	ND	250.	--	ND	1220	--		1250
Tetrahydrofuran	ND	625.	--	ND	1840	--		1250
1,2-Dichloroethane	ND	250.	--	ND	1010	--		1250
n-Hexane	ND	250.	--	ND	881	--		1250
1,1,1-Trichloroethane	ND	250.	--	ND	1360	--		1250
Benzene	ND	250.	--	ND	799	--		1250
Carbon tetrachloride	ND	250.	--	ND	1570	--		1250
Cyclohexane	ND	250.	--	ND	861	--		1250
1,2-Dichloropropane	ND	250.	--	ND	1160	--		1250
Bromodichloromethane	ND	250.	--	ND	1670	--		1250
1,4-Dioxane	ND	250.	--	ND	901	--		1250
Trichloroethene	ND	250.	--	ND	1340	--		1250
2,2,4-Trimethylpentane	86000	250	--	402000	1170	--		1250
Heptane	ND	250.	--	ND	1020	--		1250
cis-1,3-Dichloropropene	ND	250.	--	ND	1130	--		1250
4-Methyl-2-pentanone	ND	625.	--	ND	2560	--		1250
trans-1,3-Dichloropropene	ND	250.	--	ND	1130	--		1250
1,1,2-Trichloroethane	ND	250.	--	ND	1360	--		1250
Toluene	ND	250.	--	ND	942	--		1250
2-Hexanone	ND	250.	--	ND	1020	--		1250
Dibromochloromethane	ND	250.	--	ND	2130	--		1250
1,2-Dibromoethane	ND	250.	--	ND	1920	--		1250
Tetrachloroethene	ND	250.	--	ND	1700	--		1250
Chlorobenzene	ND	250.	--	ND	1150	--		1250
Ethylbenzene	ND	250.	--	ND	1090	--		1250

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-01 D
Client ID: SV-1
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:14
Date Received: 12/06/21
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	ND	500.	--	ND	2170	--		1250
Bromoform	ND	250.	--	ND	2580	--		1250
Styrene	ND	250.	--	ND	1060	--		1250
1,1,2,2-Tetrachloroethane	ND	250.	--	ND	1720	--		1250
o-Xylene	ND	250.	--	ND	1090	--		1250
4-Ethyltoluene	ND	250.	--	ND	1230	--		1250
1,3,5-Trimethylbenzene	ND	250.	--	ND	1230	--		1250
1,2,4-Trimethylbenzene	ND	250.	--	ND	1230	--		1250
Benzyl chloride	ND	250.	--	ND	1290	--		1250
1,3-Dichlorobenzene	ND	250.	--	ND	1500	--		1250
1,4-Dichlorobenzene	ND	250.	--	ND	1500	--		1250
1,2-Dichlorobenzene	ND	250.	--	ND	1500	--		1250
1,2,4-Trichlorobenzene	ND	250.	--	ND	1860	--		1250
Hexachlorobutadiene	ND	250.	--	ND	2670	--		1250

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-02 D
Client ID: SV-2
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:19
Date Received: 12/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/21 01:06
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2500	--	ND	12400	--		12500
Chloromethane	ND	2500	--	ND	5160	--		12500
Freon-114	ND	2500	--	ND	17500	--		12500
Vinyl chloride	ND	2500	--	ND	6390	--		12500
1,3-Butadiene	ND	2500	--	ND	5530	--		12500
Bromomethane	ND	2500	--	ND	9710	--		12500
Chloroethane	ND	2500	--	ND	6600	--		12500
Ethanol	ND	62500	--	ND	118000	--		12500
Vinyl bromide	ND	2500	--	ND	10900	--		12500
Acetone	ND	12500	--	ND	29700	--		12500
Trichlorofluoromethane	ND	2500	--	ND	14000	--		12500
Isopropanol	ND	6250	--	ND	15400	--		12500
1,1-Dichloroethene	ND	2500	--	ND	9910	--		12500
Tertiary butyl Alcohol	ND	6250	--	ND	18900	--		12500
Methylene chloride	ND	6250	--	ND	21700	--		12500
3-Chloropropene	ND	2500	--	ND	7830	--		12500
Carbon disulfide	ND	2500	--	ND	7790	--		12500
Freon-113	ND	2500	--	ND	19200	--		12500
trans-1,2-Dichloroethene	ND	2500	--	ND	9910	--		12500
1,1-Dichloroethane	ND	2500	--	ND	10100	--		12500
Methyl tert butyl ether	ND	2500	--	ND	9010	--		12500
2-Butanone	ND	6250	--	ND	18400	--		12500
cis-1,2-Dichloroethene	ND	2500	--	ND	9910	--		12500

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-02 D
Client ID: SV-2
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:19
Date Received: 12/06/21
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	6250	--	ND	22500	--		12500
Chloroform	ND	2500	--	ND	12200	--		12500
Tetrahydrofuran	ND	6250	--	ND	18400	--		12500
1,2-Dichloroethane	ND	2500	--	ND	10100	--		12500
n-Hexane	261000	2500	--	920000	8810	--		12500
1,1,1-Trichloroethane	ND	2500	--	ND	13600	--		12500
Benzene	8750	2500	--	28000	7990	--		12500
Carbon tetrachloride	ND	2500	--	ND	15700	--		12500
Cyclohexane	94400	2500	--	325000	8610	--		12500
1,2-Dichloropropane	ND	2500	--	ND	11600	--		12500
Bromodichloromethane	ND	2500	--	ND	16700	--		12500
1,4-Dioxane	ND	2500	--	ND	9010	--		12500
Trichloroethene	ND	2500	--	ND	13400	--		12500
2,2,4-Trimethylpentane	697000	2500	--	3260000	11700	--		12500
Heptane	155000	2500	--	635000	10200	--		12500
cis-1,3-Dichloropropene	ND	2500	--	ND	11300	--		12500
4-Methyl-2-pentanone	ND	6250	--	ND	25600	--		12500
trans-1,3-Dichloropropene	ND	2500	--	ND	11300	--		12500
1,1,2-Trichloroethane	ND	2500	--	ND	13600	--		12500
Toluene	ND	2500	--	ND	9420	--		12500
2-Hexanone	ND	2500	--	ND	10200	--		12500
Dibromochloromethane	ND	2500	--	ND	21300	--		12500
1,2-Dibromoethane	ND	2500	--	ND	19200	--		12500
Tetrachloroethene	ND	2500	--	ND	17000	--		12500
Chlorobenzene	ND	2500	--	ND	11500	--		12500
Ethylbenzene	ND	2500	--	ND	10900	--		12500

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-02 D
Client ID: SV-2
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:19
Date Received: 12/06/21
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	ND	5000	--	ND	21700	--		12500
Bromoform	ND	2500	--	ND	25800	--		12500
Styrene	ND	2500	--	ND	10600	--		12500
1,1,2,2-Tetrachloroethane	ND	2500	--	ND	17200	--		12500
o-Xylene	ND	2500	--	ND	10900	--		12500
4-Ethyltoluene	ND	2500	--	ND	12300	--		12500
1,3,5-Trimethylbenzene	ND	2500	--	ND	12300	--		12500
1,2,4-Trimethylbenzene	ND	2500	--	ND	12300	--		12500
Benzyl chloride	ND	2500	--	ND	12900	--		12500
1,3-Dichlorobenzene	ND	2500	--	ND	15000	--		12500
1,4-Dichlorobenzene	ND	2500	--	ND	15000	--		12500
1,2-Dichlorobenzene	ND	2500	--	ND	15000	--		12500
1,2,4-Trichlorobenzene	ND	2500	--	ND	18600	--		12500
Hexachlorobutadiene	ND	2500	--	ND	26700	--		12500

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-03 D
Client ID: SV-3
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:24
Date Received: 12/06/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/11/21 01:42
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	60.2	--	ND	298	--		301.2
Chloromethane	ND	60.2	--	ND	124	--		301.2
Freon-114	ND	60.2	--	ND	421	--		301.2
Vinyl chloride	ND	60.2	--	ND	154	--		301.2
1,3-Butadiene	88.2	60.2	--	195	133	--		301.2
Bromomethane	ND	60.2	--	ND	234	--		301.2
Chloroethane	ND	60.2	--	ND	159	--		301.2
Ethanol	ND	1510	--	ND	2850	--		301.2
Vinyl bromide	ND	60.2	--	ND	263	--		301.2
Acetone	ND	301.	--	ND	715	--		301.2
Trichlorofluoromethane	ND	60.2	--	ND	338	--		301.2
Isopropanol	ND	151.	--	ND	371	--		301.2
1,1-Dichloroethene	ND	60.2	--	ND	239	--		301.2
Tertiary butyl Alcohol	ND	151.	--	ND	458	--		301.2
Methylene chloride	ND	151.	--	ND	525	--		301.2
3-Chloropropene	ND	60.2	--	ND	188	--		301.2
Carbon disulfide	ND	60.2	--	ND	187	--		301.2
Freon-113	ND	60.2	--	ND	461	--		301.2
trans-1,2-Dichloroethene	ND	60.2	--	ND	239	--		301.2
1,1-Dichloroethane	ND	60.2	--	ND	244	--		301.2
Methyl tert butyl ether	ND	60.2	--	ND	217	--		301.2
2-Butanone	ND	151.	--	ND	445	--		301.2
cis-1,2-Dichloroethene	ND	60.2	--	ND	239	--		301.2

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-03 D
Client ID: SV-3
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:24
Date Received: 12/06/21
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	151.	--	ND	544	--		301.2
Chloroform	ND	60.2	--	ND	294	--		301.2
Tetrahydrofuran	ND	151.	--	ND	445	--		301.2
1,2-Dichloroethane	ND	60.2	--	ND	244	--		301.2
n-Hexane	20500	60.2	--	72200	212	--		301.2
1,1,1-Trichloroethane	ND	60.2	--	ND	328	--		301.2
Benzene	83.1	60.2	--	265	192	--		301.2
Carbon tetrachloride	ND	60.2	--	ND	379	--		301.2
Cyclohexane	4140	60.2	--	14300	207	--		301.2
1,2-Dichloropropane	ND	60.2	--	ND	278	--		301.2
Bromodichloromethane	ND	60.2	--	ND	403	--		301.2
1,4-Dioxane	ND	60.2	--	ND	217	--		301.2
Trichloroethene	ND	60.2	--	ND	324	--		301.2
2,2,4-Trimethylpentane	6610	60.2	--	30900	281	--		301.2
Heptane	764	60.2	--	3130	247	--		301.2
cis-1,3-Dichloropropene	ND	60.2	--	ND	273	--		301.2
4-Methyl-2-pentanone	ND	151.	--	ND	619	--		301.2
trans-1,3-Dichloropropene	ND	60.2	--	ND	273	--		301.2
1,1,2-Trichloroethane	ND	60.2	--	ND	328	--		301.2
Toluene	ND	60.2	--	ND	227	--		301.2
2-Hexanone	ND	60.2	--	ND	247	--		301.2
Dibromochloromethane	ND	60.2	--	ND	513	--		301.2
1,2-Dibromoethane	ND	60.2	--	ND	463	--		301.2
Tetrachloroethene	ND	60.2	--	ND	408	--		301.2
Chlorobenzene	ND	60.2	--	ND	277	--		301.2
Ethylbenzene	ND	60.2	--	ND	261	--		301.2

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

SAMPLE RESULTS

Lab ID: L2166754-03 D
Client ID: SV-3
Sample Location: 169 3RD AVENUE, BROOKLYN, NY

Date Collected: 12/06/21 12:24
Date Received: 12/06/21
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	ND	120.	--	ND	521	--		301.2
Bromoform	ND	60.2	--	ND	622	--		301.2
Styrene	ND	60.2	--	ND	256	--		301.2
1,1,2,2-Tetrachloroethane	ND	60.2	--	ND	413	--		301.2
o-Xylene	69.0	60.2	--	300	261	--		301.2
4-Ethyltoluene	ND	60.2	--	ND	296	--		301.2
1,3,5-Trimethylbenzene	ND	60.2	--	ND	296	--		301.2
1,2,4-Trimethylbenzene	ND	60.2	--	ND	296	--		301.2
Benzyl chloride	ND	60.2	--	ND	312	--		301.2
1,3-Dichlorobenzene	ND	60.2	--	ND	362	--		301.2
1,4-Dichlorobenzene	ND	60.2	--	ND	362	--		301.2
1,2-Dichlorobenzene	ND	60.2	--	ND	362	--		301.2
1,2,4-Trichlorobenzene	ND	60.2	--	ND	447	--		301.2
Hexachlorobutadiene	ND	60.2	--	ND	642	--		301.2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	99		60-140

Project Name: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2166754
Report Date: 12/13/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/10/21 16:32

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): 01-03 Batch: WG1581908-4								
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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2166754
Report Date: 12/13/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/10/21 16:32

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): 01-03 Batch: WG1581908-4								
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: 169 3RD AVENUE
Project Number: 0204090
Lab Number: L2166754
Report Date: 12/13/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/10/21 16:32

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): 01-03 Batch: WG1581908-4								
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: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1581908-3								
Dichlorodifluoromethane	98		-		70-130	-		
Chloromethane	87		-		70-130	-		
Freon-114	95		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	93		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	95		-		70-130	-		
Ethanol	74		-		40-160	-		
Vinyl bromide	87		-		70-130	-		
Acetone	116		-		40-160	-		
Trichlorofluoromethane	104		-		70-130	-		
Isopropanol	83		-		40-160	-		
1,1-Dichloroethene	97		-		70-130	-		
Tertiary butyl Alcohol	82		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	71		-		70-130	-		
2-Butanone	73		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1581908-3								
Ethyl Acetate	86		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	70		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	93		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	120		-		70-130	-		
Cyclohexane	94		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	88		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Heptane	87		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	83		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	80		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1581908-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	**132**	Q	-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	106		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
1,2,4-Trimethylbenzene	102		-		70-130	-		
Benzyl chloride	94		-		70-130	-		
1,3-Dichlorobenzene	118		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	92		-		70-130	-		
Hexachlorobutadiene	96		-		70-130	-		

Project Name: 169 3RD AVENUE

Lab Number: L2166754

Project Number: 0204090

Report Date: 12/13/21

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
L2166754-01	SV-1	01332	SV20	12/06/21	372083		-	-	-	Pass	17.7	18.0	2
L2166754-01	SV-1	2558	2.7L Can	12/06/21	372083	L2165694-07	Pass	-29.7	-6.2	-	-	-	-
L2166754-02	SV-2	01148	SV20	12/06/21	372083		-	-	-	Pass	17.7	17.5	1
L2166754-02	SV-2	532	2.7L Can	12/06/21	372083	L2165373-06	Pass	-28.9	-6.2	-	-	-	-
L2166754-03	SV-3	01346	SV20	12/06/21	372083		-	-	-	Pass	17.4	17.7	2
L2166754-03	SV-3	537	2.7L Can	12/06/21	372083	L2165373-06	Pass	-29.1	-6.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 23:48
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
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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	95		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 23:48
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
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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
Project Number: CANISTER QC BAT
Lab Number: L2165373
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165373-06
Client ID: CAN 185 SHELF 14
Sample Location:

Date Collected: 11/30/21 08:00
Date Received: 11/30/21
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	84		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/01/21 20:37
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
Project Number: CANISTER QC BAT
Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/01/21 20:37
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
Project Number: CANISTER QC BAT

Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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
Project Number: CANISTER QC BAT
Lab Number: L2165694
Report Date: 12/13/21

Air Canister Certification Results

Lab ID: L2165694-07
Client ID: CAN 509 SHELF 2
Sample Location:

Date Collected: 12/01/21 08:00
Date Received: 12/01/21
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	93		60-140
chlorobenzene-d5	90		60-140

Project Name: 169 3RD AVENUE
Project Number: 0204090

Lab Number: L2166754
Report Date: 12/13/21

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(*)
L2166754-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2166754-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2166754-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	169 3RD AVENUE	**Lab Number:**	L2166754
Project Number:	0204090	**Report Date:**	12/13/21

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:	169 3RD AVENUE	**Lab Number:**	L2166754
Project Number:	0204090	**Report Date:**	12/13/21

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:	169 3RD AVENUE	**Lab Number:**	L2166754
Project Number:	0204090	**Report Date:**	12/13/21

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: 12/6/21

ALPHA Job #: L2166754

Client Information

Client: Haley & Aldrich of New York
Address: 237 West 35th Street, Floor 16, New York, NY 10123
Phone:
Fax:
Email: MConlon@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 169 3rd Avenue
Project Location: 169 3rd Avenue, Brooklyn, NY
Project #: 0204090
Project Manager: Mari Cate Conlon
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	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
66754-01	SV-1	12-6-21	1014	1214	-30.03	-7.38	SV	ZS	2.7L	2558	01332	X					
02	SV-2	12-6-21	1019	1219	-29.98	-7.32	SV	ZS	2.7L	532	01148	X					
03	SV-3	12-6-21	1024	1224	-30.18	-7.58	SV	ZS	2.7L	537	01346	X					

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

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
Mark Simmel	12-6-21/12:30	[illegible]	12/6/21 12:30
[illegible]	12/6/21 17:18	[illegible]	12/6/21 17:18
[illegible]	12/6/21 2300	[illegible]	12/6/21 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.