HALEY & ALDRICH OF NEW YORK
237 W 35th Street
16th Floor
New York, NY 10123
646-277-5686

17 March 2023
File No. 0207044

Via Electronic Mail

Mazel Mit Brucha 104 LLC
51 Forest Road #316-160
Monroe, NY 10950

Attention: Mr. Schwartz

RE: Limited Phase II Environmental Site Investigation Report
819 Bedford Avenue
Brooklyn, New York

Dear Mr. Schwartz:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to Mazel Mit Brucha 104 LLC summarize the results of the Limited Phase II Environmental Site Investigation (ESI) completed at the property located at 819 Bedford Avenue, Brooklyn, New York (the "Site") on 17 February 2023.

SITE LOCATION AND CURRENT USE

The Site, identified as Block 134, Lots 61 on the City of New York tax map, is approximately 2,500 square feet (sf) in size and located in a light manufacturing zoning district (M1-2/R6A & MX-4). The Site is improved with a two -story residential building with a vegetated rear yard. The first floor of the Site building is utilized for storage and the second floor is currently occupied by a residential tenant. The area surrounding the Site consists of residential and commercial-use properties. Mixed use commercial/residential buildings bound the Site to the north, east and south, and Bedford Avenue followed by a vacant construction site bounds the Site to the west.

Future development plans are in preliminary design phases and will include demolition of the existing Site building.

BACKGROUND

In 1887, the Site was developed with a two-story store and a one-story store with a stable in the northeast side of the lot. Beginning in 1928, the two-story store on the south side of the lot, operated as an unlabeled store. The north side, one-story store was an auto top wind shield factory named Progress Auto Wrecking Co. By 1960, the two stores were combined and used as a sign company named Kilroy for Signs Inc. and Kilroy Truck Lettering & Spraying. In 1973, the building is owned by a M. Cruez and operates as a warehouse. Sanborn maps identify this property as a warehouse until approximately 2007. The current property owner, 819 Mazel Mit Brucha LLC, purchased the Site in February 2023.

SUBSURFACE INVESTIGATION

On 17 February 2023, Haley & Aldrich mobilized to the Site with Lakewood Environmental Services, Corp. (Lakewood) to conduct the Limited Phase II ESI. Three soil borings and two soil vapor points were installed via direct-push drilling methods utilizing a Geoprobe® drill rig.

A Haley & Aldrich field engineer was on-site to document field observations and to collect soil and soil vapor samples. Boring locations were selected to assess the impacts from the potential on- and off-site sources and to characterize subsurface conditions at the Site. The three soil borings were installed throughout accessible regions of the Site[1] to depths ranging from 10 to 12 ft bgs. The two soil vapor points (SV-05 & SV-06) were installed at a depth of 12 ft bgs. Sample locations are provided in Figure 1.

The stratigraphy of the Site, from the surface to the maximum boring completion depth of 12 ft bgs, consists of approximately 0 to 12 feet of urban fill material, comprised of light brown to dark brown fine to medium sand with varying amounts of silt, trace fine gravel and sparse fragments of concrete, and brick. Underlying soil present at depths greater than 12 ft bgs (i.e., potential native material) was not observed during this investigation. Groundwater was not encountered during this investigation; however, based on data obtained at the north adjacent property, the depth to groundwater at the Site is assumed to be approximately 30 ft bgs. Soil samples were collected continuously, characterized, and screened for visual and olfactory evidence of contamination, such as staining and odors. Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). No apparent subsurface impacts were observed and PID readings of non-detect at 0.0 parts per million (ppm) were observed. Soil boring logs are included as Attachment A.

Soil sampling was biased towards intervals exhibiting subsurface impacts. Two soil samples were collected from each of the three soil borings (B-5, B-6, and B-7). Soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total metals.

Two soil vapor samples were collected over a 2-hour period into 2.7-liter stainless-steel summa canisters supplied by the laboratory and analyzed for VOCs. Soil vapor purge logs are included as Attachment B.

All samples were collected into laboratory provided containers, placed on ice in coolers, and shipped under proper chain of custody protocol by courier to Alpha Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

A summary of the samples collected as part of this Limited Phase II ESI is provided as Table 1.

ANALYTICAL RESULTS

Full analytical results for soil and soil vapor samples are provided in Tables 2 and 3 and summarized in Figures 2 and 3, respectively. Laboratory analytical reports are provided in Attachment C.

Soil

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

[1] At the time of the investigation, the Site building was occupied by a residential tenant; as such, sub-surface exploration and sampling were limited to the rear yard.

Two SVOCs, specifically benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene, were detected above UUSCOs and RRSCOs in one soil sample, B-5_0-2, with concentrations of 1.3 milligrams per kilogram (mg/kg) and 0.7 mg/kg, respectively. No other SVOCs were detected above the UUSCOs or RRSCOs in soil samples analyzed.

Eight metals were detected above the UUSCOs and/or RRSCOs in soil samples collected, including the following: arsenic in one soil sample, B-5_0-2, at a concentration of 125 mg/kg; lead in three soil samples (maximum concentration 30,800mg/kg in B-5_0-2; cadmium in one soil sample, B-5_0-2 at a concentration of 6.48 mg/kg); and, mercury in four soil samples (maximum concentration 14.4 mg/kg in B-5_0-2). Four metals were detected at concentrations exceeding the UUSCO in one soil sample, B-5_0-2, including cooper at a concentration of 266 mg/kg, nickel at a concentration of 57.6 mg/kg, silver at a concentration 5.65 mg/kg and zinc at a concentration of 699 mg/kg. No other metals were detected above the UUSCOs or RRSCOs in soil samples analyzed.

No VOCs were detected above the UUSCOs or RRSCOs in soil samples analyzed.

Soil Vapor

One chlorinated volatile organic compound (CVOC), tetrachloroethene (PCE), was detected above laboratory detection limits in one soil vapor sample, SV-6, at a concentration of 1.46 micrograms per cubic meter ($\mu g/m^3$). No other CVOCs were detected in soil vapor samples analyzed.

Total VOC concentrations in soil vapor samples ranged from 284 $\mu g/m^3$ in SV-6 to 383.86 $\mu g/m^3$ in SV-5; total CVOC concentrations ranged from non-detect in SV-5 to 1.46 $\mu g/m^3$ in SV-6; and total concentration of benzene, toluene, ethylbenzene and xylene (BTEX) ranged from 34.18 $\mu g/m^3$ in SV-6 to 115 $\mu g/m^3$ in SV-5.

CONCLUSIONS AND RECOMMENDATIONS

Field observations identified urban fill extending to at least 12 ft bgs. Contaminants of concern in soil include heavy metals and SVOCs (specifically polyaromatic hydrocarbons [PAHs]) at concentrations that are characteristic of urban fill found throughout this geographic region. In addition, one CVOC, PCE, was identified in soil vapor collected from the northwest corner of the Site, indicative of a potential on-site source. Further investigation would be required to better understand and/or identify the source of the contamination at the Site.

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

Sincerely,
Haley & Aldrich of New York

Mari Cate Conlon	Elizabeth Scheuerman	Rachel Freeman
Associate	Assistant Project Manager	Staff Engineer II

Enclosures:
Table 1 – Sample Matrix
Table 2 – Soil Analytical Results
Table 3 – Soil Vapor Analytical Results
Figure 1 – Sample Location Map
Figure 2 – Map of Soil Chemistry
Figure 3 – Map of Soil Vapor Chemistry
Attachment A – Soil Boring Logs
Attachment B – Soil Vapor Purge Logs
Attachment C – Analytical Laboratory Reports

TABLES

TABLE 1
SAMPLE MATRIX
819 BEDFORD AVENUE
BROOKLYN, NY
FILE NO. 0207044

Sample Location	Sample ID (B-#_Depth)	Sample Type	Sample Depth (feet bgs)	Sample Date	Analytical Parameters
SOIL SAMPLES					
B-5	B-5_0-2'	Grab	0-2	2/17/2023	NYSDEC Part 375/ TCL VOCs, SVOCs, Total Metals
	B-5_4-6	Grab	4-6	2/17/2023	
B-6	B-6_0-2'	Grab	0-2	2/17/2023	NYSDEC Part 375/ TCL VOCs, SVOCs, Total Metals
	B-6_5-7	Grab	5-7	2/17/2023	
B-7	B-7_0-2'	Grab	0-2	2/17/2023	NYSDEC Part 375/ TCL VOCs, SVOCs, Total Metals
	B-7_3-5	Grab	3-5	2/17/2023	
SUB-SLAB SOIL VAPOR SAMPLES					
SV-5	SV-5_02172023	Soil Vapor	12	2/17/2023	TO-15 VOCs
SV-6	SV-6_02172023	Soil Vapor	12	2/17/2023	TO-15 VOCs

Notes:
1. NYSDEC Part 375 - New York State Department of Environmental Conservation (NYSDEC) Title 6 of the New York Codes, Rules, and Regulations (6 NYCRR) Part 375 analyze list
2. VOC - Volatile Organic Compound
3. SVOC - Semivolatile Organic Compound
4. feet bgs - feet below grade surface; approximate depth below the concrete slab
5. N/A - Not Applicable

TABLE 2
SOIL ANALYTICAL RESULTS
819 BEDFORD AVENUE
BROOKLYN, NY
FILE NO. 0207044

	Action Level							
Location Name	Restricted Use Soil Cleanup Objectives - Residential	Unrestricted Use Soil Cleanup Objectives	B-5	B-5	B-6	B-6	B-7	B-7
Sample Name			B-5_0-2	B-5_4-6	B-6_0-2	B-6_5-7	B-7_0-2	B-7_3-5
Sample Date			02/17/2023	02/17/2023	02/17/2023	02/17/2023	02/17/2023	02/17/2023
Lab Sample ID			L2308809-01	L2308809-02	L2308809-03	L2308809-06	L2308809-05	L2308809-04
Sample Depth (bgs)			0 - 2 (ft)	4 - 6 (ft)	0 - 2 (ft)	5 - 7 (ft)	0 - 2 (ft)	3 - 5 (ft)
Volatile Organic Compounds (mg/kg)								
1,1,1,2-Tetrachloroethane	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
1,1,1-Trichloroethane	100	0.68	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
1,1,2,2-Tetrachloroethane	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
1,1,2-Trichloroethane	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,1-Dichloroethane	26	0.27	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,1-Dichloroethene	100	0.33	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,1-Dichloropropene	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
1,2,3-Trichlorobenzene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2,3-Trichloropropane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2,4,5-Tetramethylbenzene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2,4-Trichlorobenzene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2,4-Trimethylbenzene	52	3.6	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	ND (0.0048)	ND (0.0032)	ND (0.0024)	ND (0.004)	ND (0.0027)	ND (0.0031)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,2-Dichlorobenzene	100	1.1	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,2-Dichloroethane	3.1	0.02	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,2-Dichloroethene (total)	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,2-Dichloropropane	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
1,3,5-Trimethylbenzene	52	8.4	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,3-Dichlorobenzene	49	2.4	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,3-Dichloropropane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,3-Dichloropropene	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
1,4-Dichlorobenzene	13	1.8	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,4-Diethylbenzene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
1,4-Dioxane	13	0.1	ND (0.13)	ND (0.084)	ND (0.064)	ND (0.11)	ND (0.072)	ND (0.083)
2,2-Dichloropropane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
2-Butanone (Methyl Ethyl Ketone)	100	0.12	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
2-Chlorotoluene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
2-Hexanone (Methyl Butyl Ketone)	NA	NA	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	100	11	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
4-Chlorotoluene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
Acetone	100	0.05	0.027	ND (0.01)	0.0059 J	ND (0.51)	ND (0.009)	ND (0.01)
Acrylonitrile	NA	NA	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
Benzene	4.8	0.06	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Bromobenzene	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Bromodichloromethane	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Bromoform	NA	NA	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
Bromomethane (Methyl Bromide)	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Carbon disulfide	NA	NA	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
Carbon tetrachloride	2.4	0.76	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
Chlorobenzene	100	1.1	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Chlorobromomethane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Chloroethane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Chloroform (Trichloromethane)	49	0.37	ND (0.0024)	ND (0.0016)	ND (0.0012)	ND (0.002)	ND (0.0014)	ND (0.0016)
Chloromethane (Methyl Chloride)	NA	NA	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
cis-1,2-Dichloroethene	100	0.25	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
cis-1,3-Dichloropropene	NA	NA	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Cymene (p-Isopropyltoluene)	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
Dibromochloromethane	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
Dibromomethane	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Dichlorodifluoromethane (CFC-12)	NA	NA	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
Ethyl Ether	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Ethylbenzene	41	1	ND (0.0016)	ND (0.001)	ND (0.0008)	0.0073	ND (0.0009)	ND (0.001)
Hexachlorobutadiene	NA	NA	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
Isopropylbenzene (Cumene)	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	0.00018 J	ND (0.0009)	ND (0.001)
m,p-Xylenes	NA	NA	ND (0.0032)	ND (0.0021)	ND (0.0016)	0.04	ND (0.0018)	ND (0.0021)
Methyl Tert Butyl Ether (MTBE)	100	0.93	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Methylene chloride (Dichloromethane)	100	0.05	ND (0.008)	ND (0.0053)	ND (0.004)	ND (0.0066)	ND (0.0045)	ND (0.0052)
Naphthalene	100	12	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
n-Butylbenzene	100	12	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
n-Propylbenzene	100	3.9	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
o-Xylene	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	0.017	ND (0.0009)	ND (0.001)
Styrene	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
tert-Butylbenzene	100	5.9	ND (0.0032)	ND (0.0021)	ND (0.0016)	ND (0.0027)	ND (0.0018)	ND (0.0021)
Tetrachloroethene	19	1.3	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Toluene	100	0.7	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
trans-1,2-Dichloroethene	100	0.19	ND (0.0024)	ND (0.0016)	ND (0.0012)	ND (0.002)	ND (0.0014)	ND (0.0016)
trans-1,3-Dichloropropene	NA	NA	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
trans-1,4-Dichloro-2-butene	NA	NA	ND (0.008)	ND (0.0053)	ND (0.004)	ND (0.0066)	ND (0.0045)	ND (0.0052)
Trichloroethene	21	0.47	ND (0.0008)	ND (0.00053)	ND (0.0004)	ND (0.00066)	ND (0.00045)	ND (0.00052)
Trichlorofluoromethane (CFC-11)	NA	NA	ND (0.0064)	ND (0.0042)	ND (0.0032)	ND (0.0053)	ND (0.0036)	ND (0.0042)
Vinyl acetate	NA	NA	ND (0.016)	ND (0.01)	ND (0.008)	ND (0.013)	ND (0.009)	ND (0.01)
Vinyl chloride	0.9	0.02	ND (0.0016)	ND (0.001)	ND (0.0008)	ND (0.0013)	ND (0.0009)	ND (0.001)
Xylene (Total)	100	0.26	ND (0.0016)	ND (0.001)	ND (0.0008)	0.057	ND (0.0009)	ND (0.001)
SUM of CVOCs	NA	NA	ND	ND	ND	ND	ND	ND

TABLE 2
SOIL ANALYTICAL RESULTS
819 BEDFORD AVENUE
BROOKLYN, NY
FILE NO. 0207044

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level Restricted Use Soil Cleanup Objectives - Residential	Action Level Unrestricted Use Soil Cleanup Objectives	B-5 B-5_0-2 02/17/2023 L2308809-01 0 - 2 (ft)	B-5 B-5_4-6 02/17/2023 L2308809-02 4 - 6 (ft)	B-6 B-6_0-2 02/17/2023 L2308809-03 0 - 2 (ft)	B-6 B-6_5-7 02/17/2023 L2308809-06 5 - 7 (ft)	B-7 B-7_0-2 02/17/2023 L2308809-05 0 - 2 (ft)	B-7 B-7_3-5 02/17/2023 L2308809-04 3 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)								
1,2,4,5-Tetrachlorobenzene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
1,2,4-Trichlorobenzene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
1,2-Dichlorobenzene	100	1.1	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
1,3-Dichlorobenzene	49	2.4	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
1,4-Dichlorobenzene	13	1.8	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
1,4-Dioxane	13	0.1	ND (0.033)	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)
2,2'-oxybis(1-Chloropropane)	NA	NA	ND (0.26)	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)
2,4,5-Trichlorophenol	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2,4,6-Trichlorophenol	NA	NA	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
2,4-Dichlorophenol	NA	NA	ND (0.2)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
2,4-Dimethylphenol	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2,4-Dinitrophenol	NA	NA	ND (1)	ND (0.86)	ND (0.91)	ND (0.89)	ND (0.9)	ND (0.89)
2,4-Dinitrotoluene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2,6-Dinitrotoluene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2-Chloronaphthalene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2-Chlorophenol	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2-Methylnaphthalene	NA	NA	0.045 J	ND (0.21)	ND (0.23)	ND (0.22)	ND (0.22)	ND (0.22)
2-Methylphenol (o-Cresol)	100	0.33	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2-Nitroaniline	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
2-Nitrophenol	NA	NA	ND (0.47)	ND (0.39)	ND (0.41)	ND (0.4)	ND (0.41)	ND (0.4)
3&4-Methylphenol	NA	NA	ND (0.31)	ND (0.26)	ND (0.27)	ND (0.27)	ND (0.27)	ND (0.27)
3,3'-Dichlorobenzidine	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
3-Nitroaniline	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4,6-Dinitro-2-methylphenol	NA	NA	ND (0.57)	ND (0.46)	ND (0.49)	ND (0.48)	ND (0.49)	ND (0.48)
4-Bromophenyl phenyl ether (BDE-3)	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4-Chloro-3-methylphenol	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4-Chloroaniline	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4-Chlorophenyl phenyl ether	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4-Nitroaniline	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
4-Nitrophenol	NA	NA	ND (0.3)	ND (0.25)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
Acenaphthene	100	20	0.046 J	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Acenaphthylene	100	100	0.15 J	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Acetophenone	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	0.026 J	ND (0.19)	ND (0.18)
Anthracene	100	100	0.17	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Benzo(a)anthracene	1	1	0.81	ND (0.11)	0.14	ND (0.11)	0.049 J	ND (0.11)
Benzo(a)pyrene	1	1	0.92	ND (0.14)	0.15	ND (0.15)	0.052 J	ND (0.15)
Benzo(b)fluoranthene	1	1	1.3	ND (0.11)	0.17	ND (0.11)	0.058 J	ND (0.11)
Benzo(g,h,i)perylene	100	100	0.65	ND (0.14)	0.082 J	ND (0.15)	0.024 J	ND (0.15)
Benzo(k)fluoranthene	3.9	0.8	0.39	ND (0.11)	0.058 J	ND (0.11)	ND (0.11)	ND (0.11)
Benzoic acid	NA	NA	0.24 J	ND (0.58)	ND (0.62)	ND (0.6)	ND (0.61)	ND (0.6)
Benzyl Alcohol	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Biphenyl	NA	NA	ND (0.5)	ND (0.41)	ND (0.43)	ND (0.42)	ND (0.43)	ND (0.42)
bis(2-Chloroethoxy)methane	NA	NA	ND (0.24)	ND (0.19)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
bis(2-Chloroethyl)ether	NA	NA	ND (0.2)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
bis(2-Ethylhexyl)phthalate	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Butyl benzylphthalate (BBP)	NA	NA	0.11 J	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Carbazole	NA	NA	0.14 J	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Chrysene	3.9	1	0.89	ND (0.11)	0.13	ND (0.11)	0.049 J	ND (0.11)
Dibenz(a,h)anthracene	0.33	0.33	0.13	ND (0.11)	0.024 J	ND (0.11)	ND (0.11)	ND (0.11)
Dibenzofuran	59	7	0.043 J	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Diethyl phthalate	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Dimethyl phthalate	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Di-n-butylphthalate (DBP)	NA	NA	0.25	ND (0.18)	ND (0.19)	0.085 J	ND (0.19)	ND (0.18)
Di-n-octyl phthalate (DnOP)	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Fluoranthene	100	100	1.6	0.023 J	0.2	0.022 J	0.072 J	ND (0.11)
Fluorene	100	30	0.05 J	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Hexachlorobenzene	1.2	0.33	ND (0.13)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
Hexachlorobutadiene	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Hexachlorocyclopentadiene	NA	NA	ND (0.62)	ND (0.51)	ND (0.54)	ND (0.53)	ND (0.54)	ND (0.53)
Hexachloroethane	NA	NA	ND (0.17)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.7	ND (0.14)	0.091 J	ND (0.15)	0.035 J	ND (0.15)
Isophorone	NA	NA	ND (0.2)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
Naphthalene	100	12	0.1 J	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Nitrobenzene	NA	NA	ND (0.2)	ND (0.16)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
N-Nitrosodi-n-propylamine	NA	NA	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
N-Nitrosodiphenylamine	NA	NA	ND (0.17)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Pentachlorophenol	6.7	0.8	ND (0.17)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
Phenanthrene	100	100	0.81	ND (0.11)	0.077 J	ND (0.11)	0.034 J	ND (0.11)
Phenol	100	0.33	ND (0.22)	ND (0.18)	ND (0.19)	ND (0.18)	ND (0.19)	ND (0.18)
Pyrene	100	100	1.4	0.022 J	0.19	0.021 J	0.058 J	ND (0.11)

TABLE 2
SOIL ANALYTICAL RESULTS
819 BEDFORD AVENUE
BROOKLYN, NY
FILE NO. 0207044

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level Restricted Use Soil Cleanup Objectives - Residential	Action Level Unrestricted Use Soil Cleanup Objectives	B-5 B-5_0-2 02/17/2023 L2308809-01 0 - 2 (ft)	B-5 B-5_4-6 02/17/2023 L2308809-02 4 - 6 (ft)	B-6 B-6_0-2 02/17/2023 L2308809-03 0 - 2 (ft)	B-6 B-6_5-7 02/17/2023 L2308809-06 5 - 7 (ft)	B-7 B-7_0-2 02/17/2023 L2308809-05 0 - 2 (ft)	B-7 B-7_3-5 02/17/2023 L2308809-04 3 - 5 (ft)
Inorganic Compounds (mg/kg)								
Aluminum	NA	NA	1390	6990	8620	8580	9930	8690
Antimony	NA	NA	2460	11.7	2.57 J	0.415 J	0.498 J	0.355 J
Arsenic	16	13	125	2.59	7.5	3.47	4.45	2.52
Barium	400	350	0.216 J	27.1	63	57.3	55.7	36.5
Beryllium	72	7.2	0.146 J	0.171 J	0.443 J	0.484	0.388 J	0.53
Cadmium	4.3	2.5	6.48	0.268 J	0.318 J	0.279 J	0.161 J	0.224 J
Calcium	NA	NA	877	912	1180	11000	1560	305
Chromium	NA	NA	76.2	12.7	16.7	27.1	17.9	17.5
Cobalt	NA	NA	17.3	3.02	7.33	7.46	5.04	6.75
Copper	270	50	266	23.7	31.6	27.1	18.4	19.5
Iron	NA	NA	121000	13400	20800	18900	19700	20700
Lead	400	63	30800	46.3	168	52.1	82.5	18.3
Magnesium	NA	NA	229	3040	1730	4720	3380	2210
Manganese	2000	1600	437	89.1	392	380	241	332
Mercury	0.81	0.18	14.4	0.499	0.487	ND (0.075)	0.506	ND (0.079)
Nickel	310	30	57.6	10.7	10.1	19.1	11	10.2
Potassium	NA	NA	336	1040	454	2470	999	1090
Selenium	180	3.9	2.32	ND (1.76)	ND (1.79)	ND (1.73)	ND (1.78)	ND (1.73)
Silver	180	2	5.65	ND (0.44)	ND (0.448)	ND (0.432)	ND (0.445)	ND (0.434)
Sodium	NA	NA	256	64.3 J	35.4 J	82.6 J	41 J	33.2 J
Thallium	NA	NA	2.11	0.344 J	0.604 J	0.629 J	0.629 J	0.653 J
Vanadium	NA	NA	32	28.8	25.4	33.4	32.3	29.3
Zinc	10000	109	699	60	66.5	85	47.2	72
Other								
Total Solids (%)	NA	NA	74.1	90.2	87.4	87.4	85.8	88.2

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

-: Not Analyzed
bgs: below ground surface
CVOCs: Chlorinated volatile organic compounds
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO) and Restricted-Use Residential SCOs.
- Grey shading indicates an exceedance of the Unrestricted Use Soil Cleanup Objectives.
- Yellow shading indicates an exceedance of the Restricted Use Residential Soil Cleanup Objectives.
- SUM of CVOCs includes the following compounds: carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, vinyl chloride

TABLE 3
SOIL VAPOR ANALYTICAL RESULTS
819 BEDFORD AVENUE
BROOKLYN, NY
FILE NO. 0207044

Location Name	SV-5	SV-6
Sample Name	SV-5_02172023	SV-6_02172023
Sample Date	02/17/2023	02/17/2023
Lab Sample ID	L2308813-01	L2308813-02
Volatile Organic Compounds (ug/m3)		
1,1,1-Trichloroethane	ND (1.09)	ND (1.09)
1,1,2,2-Tetrachloroethane	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	ND (1.09)	ND (1.09)
1,1-Dichloroethane	ND (0.809)	ND (0.809)
1,1-Dichloroethene	ND (0.793)	ND (0.793)
1,2,4-Trichlorobenzene	ND (1.48)	ND (1.48)
1,2,4-Trimethylbenzene	3.04	5.9
1,2-Dibromoethane (Ethylene Dibromide)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	ND (1.2)	ND (1.2)
1,2-Dichloroethane	ND (0.809)	ND (0.809)
1,2-Dichloropropane	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (1.4)	ND (1.4)
1,3,5-Trimethylbenzene	1.23	1.99
1,3-Butadiene	4.76	13.4
1,3-Dichlorobenzene	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	ND (1.2)	ND (1.2)
1,4-Dioxane	ND (0.721)	ND (0.721)
2,2,4-Trimethylpentane	19.7	ND (0.934)
2-Butanone (Methyl Ethyl Ketone)	53.4	51.9
2-Hexanone (Methyl Butyl Ketone)	1.8	5.94
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	1.1	1.64
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	6.15	3.66
Acetone	49.9	96.2
Allyl chloride	ND (0.626)	ND (0.626)
Benzene	16.9	7.32
Benzyl Chloride (alpha-Chlorotoluene)	ND (1.04)	ND (1.04)
Bromodichloromethane	ND (1.34)	ND (1.34)
Bromoform	ND (2.07)	ND (2.07)
Bromomethane (Methyl Bromide)	ND (0.777)	ND (0.777)
Carbon disulfide	1.32	2.38
Carbon tetrachloride	ND (1.26)	ND (1.26)
Chlorobenzene	ND (0.921)	ND (0.921)
Chloroethane	ND (0.528)	ND (0.528)
Chloroform (Trichloromethane)	ND (0.977)	ND (0.977)
Chloromethane (Methyl Chloride)	0.576	0.706
cis-1,2-Dichloroethene	ND (0.793)	ND (0.793)
cis-1,3-Dichloropropene	ND (0.908)	ND (0.908)
Cyclohexane	14.6	3.72
Dibromochloromethane	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	2.59	2.36
Ethanol	27.9	23.7
Ethyl acetate	ND (1.8)	ND (1.8)
Ethylbenzene	9.95	2.91
Hexachlorobutadiene	ND (2.13)	ND (2.13)
Hexane	29.5	7.72
Isopropyl Alcohol (2-Propanol)	16.1	9.91
m,p-Xylenes	29.4	9.51
Methyl Tert Butyl Ether (MTBE)	ND (0.721)	ND (0.721)
Methylene chloride (Dichloromethane)	ND (1.74)	ND (1.74)
N-Heptane	20.7	4.75
o-Xylene	10.4	3.74
Styrene	5.96	5.11
Tert-Butyl Alcohol (tert-Butanol)	4.15	3.88
Tetrachloroethene	ND (1.36)	1.46
Tetrahydrofuran	2.76	2.02
Toluene	48.6	10.7
trans-1,2-Dichloroethene	ND (0.793)	ND (0.793)
trans-1,3-Dichloropropene	ND (0.908)	ND (0.908)
Trichloroethene	ND (1.07)	ND (1.07)
Trichlorofluoromethane (CFC-11)	1.37	1.26
Trifluorotrichloroethane (Freon 113)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	ND (0.874)	ND (0.874)
Vinyl chloride	ND (0.511)	ND (0.511)
BTEX	115	34.2
SUM of CVOCs	ND	1.46
SUM of VOCs	384	284

ABBREVIATIONS AND NOTES:

$\mu g/m^3$: micrograms per cubic meter

BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
CVOCs: Chlorinated volatile organic compounds
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit
VOCs: Volatile Organic Compounds

- For test methods used, see the laboratory data sheets.
- SUM of CVOCs includes the following compounds: carbon tetrachloride, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, methylene chloride, tetrachloroethene, 1,1,1-trichloroethane, vinyl chloride

FIGURES

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL BORING LOCATION
- SOIL VAPOR POINT LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 SEPTEMBER 2022

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0 20 40
SCALE IN FEET

HALEY ALDRICH

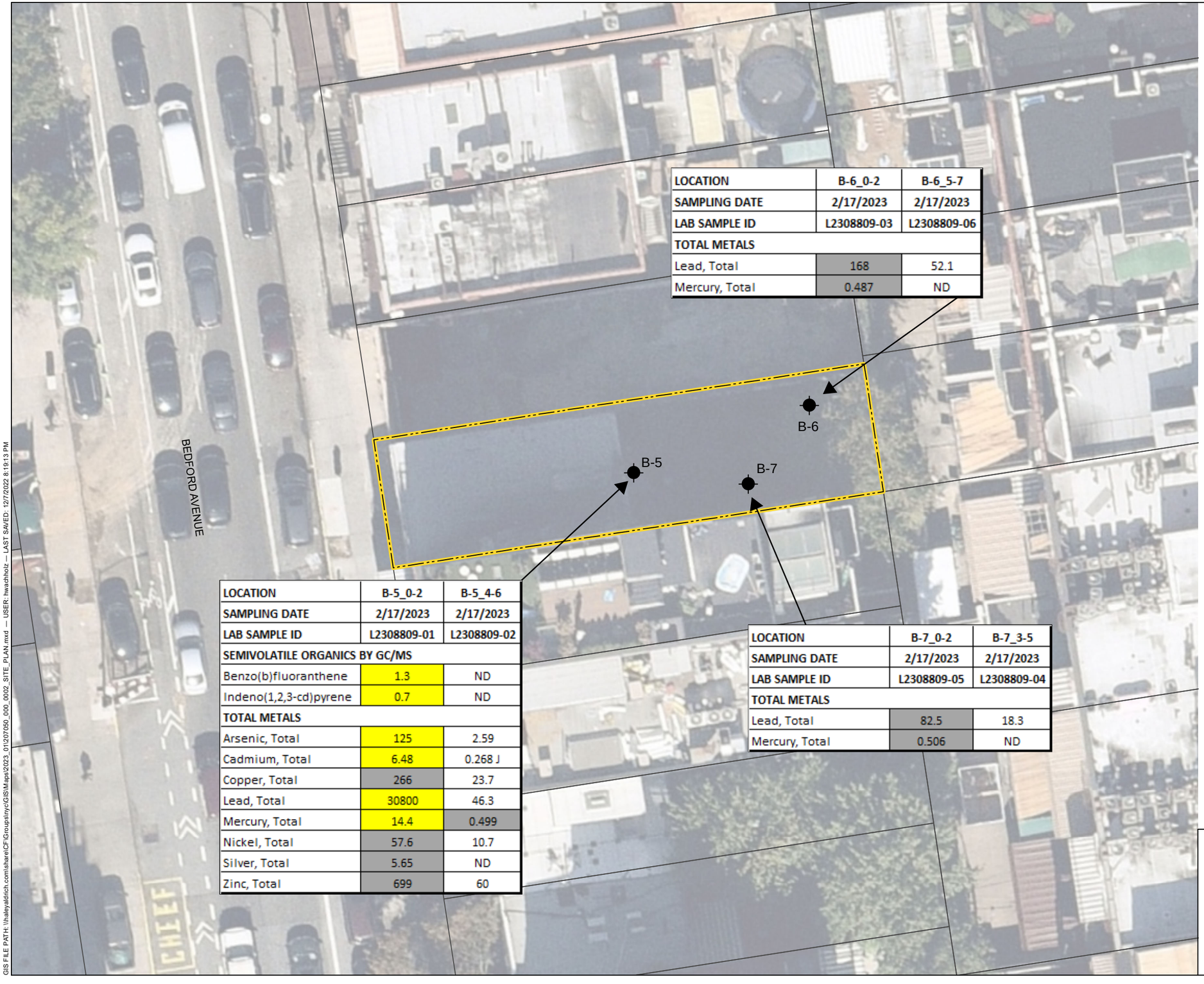
819 BEDFORD AVENU
BROOKLYN, NEW YORK

SAMPLE LOCATION MAP

MARCH 2023

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\CF\Groups\nyc\GIS\Maps\2023_01\207050_000_0002_SITE_PLAN.mxd — USER: hwachholz — LAST SAVED: 12/7/2022 8:19:13 PM



LOCATION	B-6_0-2	B-6_5-7
SAMPLING DATE	2/17/2023	2/17/2023
LAB SAMPLE ID	L2308809-03	L2308809-06
TOTAL METALS		
Lead, Total	168	52.1
Mercury, Total	0.487	ND

LOCATION	B-5_0-2	B-5_4-6
SAMPLING DATE	2/17/2023	2/17/2023
LAB SAMPLE ID	L2308809-01	L2308809-02
SEMIVOLATILE ORGANICS BY GC/MS		
Benzo(b)fluoranthene	1.3	ND
Indeno(1,2,3-cd)pyrene	0.7	ND
TOTAL METALS		
Arsenic, Total	125	2.59
Cadmium, Total	6.48	0.268 J
Copper, Total	266	23.7
Lead, Total	30800	46.3
Mercury, Total	14.4	0.499
Nickel, Total	57.6	10.7
Silver, Total	5.65	ND
Zinc, Total	699	60

LOCATION	B-7_0-2	B-7_3-5
SAMPLING DATE	2/17/2023	2/17/2023
LAB SAMPLE ID	L2308809-05	L2308809-04
TOTAL METALS		
Lead, Total	82.5	18.3
Mercury, Total	0.506	ND

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

SOIL BORING LOCATION

New York NYCRR Part 375 New York Restricted-Residential and Unrestricted Use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.			
Analyte	NY-RESRR	NY-UNRES	Units
SEMIVOLATILE ORGANICS BY GC/MS			
Benzo(b)fluoranthene	1	1	mg/kg
Indeno(1,2,3-cd)pyrene	0.5	0.5	mg/kg
TOTAL METALS			
Arsenic, Total	16	13	mg/kg
Cadmium, Total	4.3	2.5	mg/kg
Copper, Total	270	50	mg/kg
Lead, Total	400	63	mg/kg
Mercury, Total	0.81	0.18	mg/kg
Nickel, Total	310	30	mg/kg
Silver, Total	180	2	mg/kg
Zinc, Total	10000	109	mg/kg

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING

3. AERIAL IMAGERY SOURCE: NEARMAP, 27 SEPTEMBER 2022

4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES RULES, ANDREGULATIONS (NYCRR) PART 375 UNRESTRICTED USE SOIL CLEANUPOBJECTIVES (SCOS), RESTRICTED-RESIDENTIAL SCOS, AND 40 CFR 261SUBPART C AND TABLE 1 OF 40 CFR 261.24.

5. NY-RESRR = NYSDEC PART 375 RESTRICTED-RESIDENTIAL USE SCO

6. NY-UNRES = NYSDEC PART 375 UNRESTRICTED USE SCO

7. EXCEEDANCES OF THE NY-UNRES SCOS ARE SHADED GRAY

8. EXCEEDANCES OF THE NY-UNRES AND NY-RESRR ARE SHADED YELLOW

9. RESULTS ARE DISPLAYED IN MILLIGRAM PER KILIGRAM (mg/kg)

10. ESTIMATED VALUE (J)

N

0 20 40

SCALE IN FEET

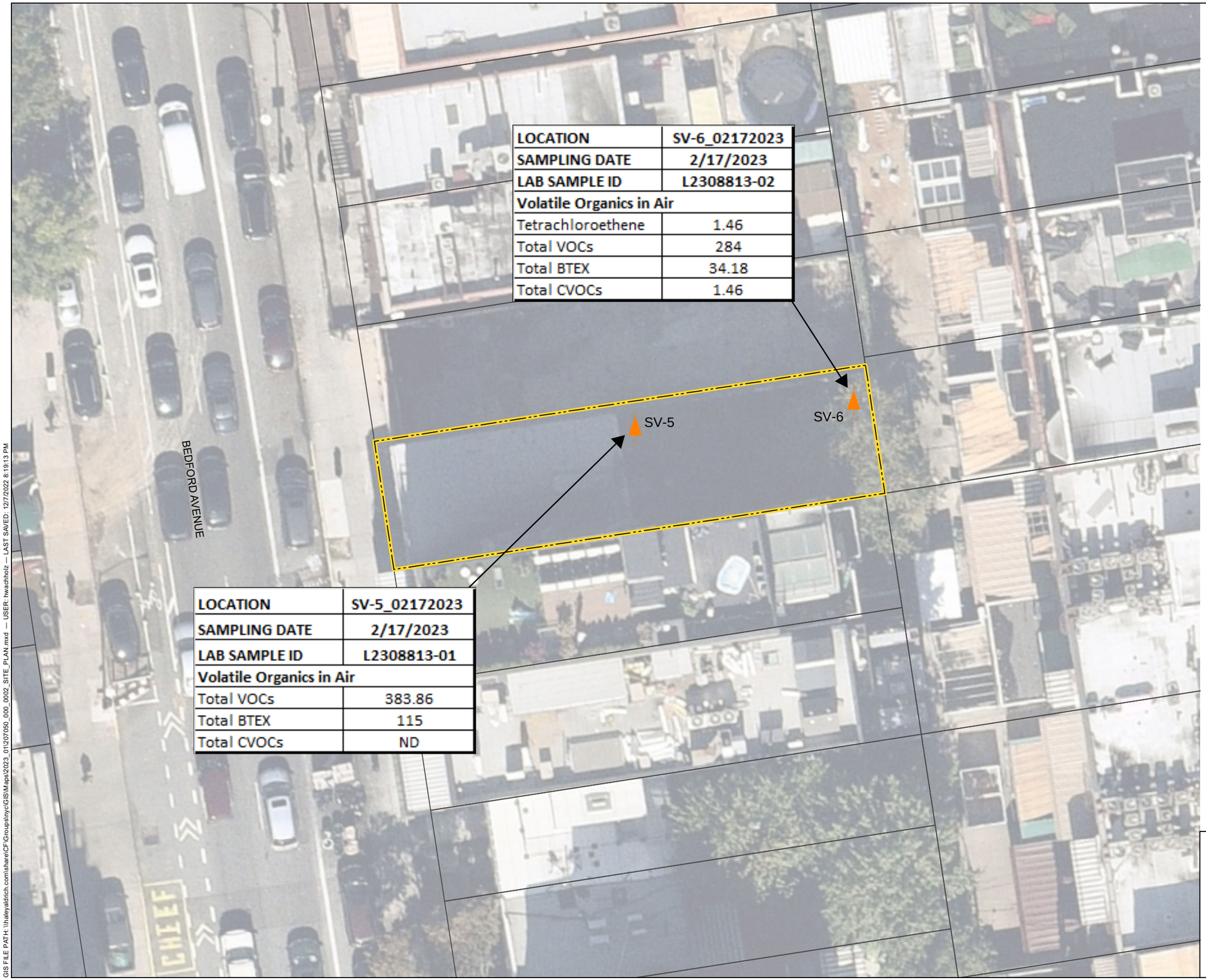
HALEY ALDRICH

819 BEDFORD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL CHEMISTRY

MARCH 2023

FIGURE 2



LOCATION	SV-6_02172023
SAMPLING DATE	2/17/2023
LAB SAMPLE ID	L2308813-02
Volatile Organics in Air	
Tetrachloroethene	1.46
Total VOCs	284
Total BTEX	34.18
Total CVOCs	1.46

LOCATION	SV-5_02172023
SAMPLING DATE	2/17/2023
LAB SAMPLE ID	L2308813-01
Volatile Organics in Air	
Total VOCs	383.86
Total BTEX	115
Total CVOCs	ND

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- SOIL VAPOR POINT LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 SEPTEMBER 2022
4. SOIL VAPOR ANALYSIS - VOLATILE ORGANIC COMPOUNDS (VOCs)
5. RESULTS ARE DISPLAYED IN MICROGRAMS PER CUBIC METER (µg/m3)
6. CHLORINATED VOLATILE ORGANIC COMPOUNDS (CVOCS)
7. TOTAL DETECTED CONCENTRATION OF BENZENE, TOLUENE, ETHYLBENZENE AND XYLENES (BTEX)
8. ANALYTE NOT DETECTED (ND)

N

0 20 40

SCALE IN FEET

HALEY ALDRICH

819 BEDFORD AVENUE
BROOKLYN, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

MARCH 2023

FIGURE 3

ATTACHMENT A

SOIL BORING LOGS

HALEY ALDRICH

GEOPROBE BORING REPORT

BORING NO. B-5

Page 1 of 1

PROJECT	819 Bedford Avenue	**PROJECT NO.**	207044
LOCATION	Brooklyn, NY	**PROJECT MGR.**	Elizabeth Scheuerman
CLIENT	Mazel Mit Brucha 104 LLC	**FIELD REP.**	Rachel Freeman
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	2/17/2023
DRILLER	Adam Hutchinson	**DATE FINISHED**	2/17/2023

Elevation ft. **Datum** **Boring Location** Southeastern area of lot

Item	Casing	Sampler	Core Barrel
Type	n/a	MC	n/a
Inside Diameter (in.)	n/a	2	n/a
Hammer Weight (lb.)	n/a	n/a	n/a
Hammer Fall (in.)	n/a	n/a	n/a

Rig Make & Model TORO 6101

- ☐ 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
n/a

Drilling Notes:

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					Light brown to dark brown SAND, trace fine gravel, brick, concrete, no odor [FILL]
		0.0			
1			B-5_0-2	0-2	
		0.0			
2					
	24/60	0.0			
3					
4					
5					
		0.0	B-5_4-6	4-6	Light to dark brown silty fine SAND, some medium sand, trace fine gravel, concrete, brick, no odor [FILL]
6					
		0.0			
7					
	42/60	0.0			
8					
		0.0			
9					
10					
		0.0			Light to dark brown silty fine SAND, some medium sand, trace fine gravel, concrete, brick, no odor [FILL]
11					
		0.0			
12					
					End of boring at 12 ft bgs
13					
14					
15					
20					
25					
30					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
2/17/2023	NA	NA	NA	12	NA

Sample ID

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

Summary

Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	NA
Number of Samples	2

BORING NO. B-5

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

Form #3000

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

PROJECT	819 Bedford Avenue	**PROJECT NO.**	207044
LOCATION	Brooklyn, NY	**PROJECT MGR.**	Elizabeth Scheuerman
CLIENT	Mazel Mit Brucha 104 LLC	**FIELD REP.**	Rachel Freeman
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	2/17/2023
DRILLER	Adam Hutchinson	**DATE FINISHED**	2/17/2023

Elevation ft. **Datum** **Boring Location** Southeastern area of lot

Item	Casing	Sampler	Core Barrel
Type	n/a	MC	n/a
Inside Diameter (in.)	n/a	2	n/a
Hammer Weight (lb.)	n/a	n/a	n/a
Hammer Fall (in.)	n/a	n/a	n/a

Rig Make & Model TORO 6101

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

Hammer Type	Drilling Mud	Casing Advance
☐ Safety	☐ Bentonite	Type Method Depth
☐ Doughnut	☐ Polymer	n/a
☐ Automatic	☑ None	

Drilling Notes:

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					Light brown to dark brown SAND, trace fine gravel, brick, concrete, no odor [FILL]
		0.0			
1			B-6_0-2	0-2	
		0.0			
2					
	24/60	0.0			
3					
4					
5					
		0.0	B-6_5-7	5-7	Light to dark brown silty fine SAND, trace fine gravel, concrete, brick, no odor [FILL]
6					
		0.0			
7					
	42/60	0.0			
8					
		0.0			
9					
10					
		0.0			Dark brown silty fine SAND, some medium sand, trace fine gravel, concrete, brick, no odor [FILL]
11					
		0.0			
12					
					End of boring at 12 ft bgs
13					
14					
15					
20					
25					
30					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
2/17/2023	NA	NA	NA	12	NA

Sample ID

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

Summary

Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	NA
Number of Samples	2

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	819 Bedford Avenue	**PROJECT NO.**	207044
LOCATION	Brooklyn, NY	**PROJECT MGR.**	Elizabeth Scheuerman
CLIENT	Mazel Mit Brucha 104 LLC	**FIELD REP.**	Rachel Freeman
CONTRACTOR	Lakewood Environmental Services, Corp.	**DATE STARTED**	2/17/2023
DRILLER	Adam Hutchinson	**DATE FINISHED**	2/17/2023

Elevation ft. **Datum** **Boring Location** Southeastern area of lot

Item	Casing	Sampler	Core Barrel
Type	n/a	MC	n/a
Inside Diameter (in.)	n/a	2	n/a
Hammer Weight (lb.)	n/a	n/a	n/a
Hammer Fall (in.)	n/a	n/a	n/a

Rig Make & Model TORO 6101

☐ 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: n/a

Drilling Notes:

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					Light brown to dark brown SAND, trace fine gravel, brick, concrete, no odor [FILL]
		0.0			
1			B-7_0-2	0-2	
		0.0			
2					
	24/60	0.0			
3					
4			B-7_3-5	3-5	
5					
		0.0			Light to dark brown silty fine SAND, some medium sand, trace fine gravel, concrete, brick, no odor [FILL]
6					
		0.0			
7					
	42/60	0.0			
8					
		0.0			
9					
10					
		0.0			Dark brown silty fine SAND, some medium sand, trace fine gravel, concrete, brick, no odor [FILL]
11					
		0.0			
12					
					End of boring at 12 ft bgs
13					
14					
15					
20					
25					
30					

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water
2/17/2023	NA	NA	NA	12	NA

Sample ID

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

Summary

Overburden (Linear ft.)	12
Rock Cored (Linear ft.)	NA
Number of Samples	2

BORING NO. B-7

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

Form #3000

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

ATTACHMENT B

SOIL VAPOR PURGE LOGS

SOIL VAPOR SAMPLING LOG

Limited Phase II Environmental Site Investigation

Site:	819 Bedford Avenue
Date Collected:	2/17/2023
Personnel:	Rachel Freeman
Weather:	Rain
Humidity:	73%

Sample ID	Canister ID	Caniser Size	Flow Controller ID	Sample Start Time	Canister Start Pressure ("Hg)	Sample End Time	Canister End Pressure ("Hg)	Sample Start Date	Sample Type	Analyses Method
SV-5_02172023	3225	2L	02179	910	-29.8	1105	-9	2/17/2023	Soil Vapor	TO-15
SV-6_02172023	2431	2L	01495	930	-29.9	1125	-8.03	2/17/2023	Soil Vapor	TO-15

Notes:
Summas and flow regulators provided by Alpha Analytical Laboratory
Analyses for VOCs by Method TO-15 completed by Alpha Analytical Laboratory

ATTACHMENT C

ANALYTICAL LABORATORY REPORTS

HALEY ALDRICH

ANALYTICAL REPORT

Lab Number:	L2308809
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Elizabeth Scheuerman
Phone:	(646) 277-5692
Project Name:	819 BEDFORD AVE
Project Number:	0207044
Report Date:	02/24/23

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: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2308809-01	B-5_0-2	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 08:15	02/17/23
L2308809-02	B-5_4-6	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 08:20	02/17/23
L2308809-03	B-6_0-2	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 09:40	02/17/23
L2308809-04	B-7_3-5	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 09:30	02/17/23
L2308809-05	B-7_0-2	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 09:20	02/17/23
L2308809-06	B-6_5-7	SOIL	819 BEDFORD AVE BROOKLYN	02/17/23 09:45	02/17/23

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

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:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2308809-03: The collection date and time on the chain of custody was 17-FEB-23 09:20; however, the collection date/time on the container label was 17-FEB-23 09:40. At the client's request, the collection date/time is reported as 17-FEB-23 09:40.

L2308809-04: The sample identified as "B-6_3-5" on the chain of custody was identified as "B-7_3-5" on the container label. At the client's request, the sample is reported as "B-7_3-5".

L2308809-05: The collection date and time on the chain of custody was 17-FEB-23 09:40; however, the collection date/time on the container label was 17-FEB-23 09:20. At the client's request, the collection date/time is reported as 17-FEB-23 09:20.

L2308809-06: The sample identified as "B-7_5-7" on the chain of custody was identified as "B-6_5-7" on the container label. At the client's request, the sample is reported as "B-6_5-7".

Volatile Organics

L2308809-06: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Semivolatile Organics

The WG1746703-2/-3 LCS/LCSD recoveries, associated with L2308809-01 through -06, are below the acceptance criteria for 2,4-dinitrophenol (LCS 0%), 4,6-dinitro-o-cresol (LCS 5%) and benzoic acid (0%/0%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported.

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

Case Narrative (continued)

Total Metals

L2308809-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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: 02/24/23

ORGANICS

VOLATILES

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01
Client ID: B-5_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 08:15
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/20/23 10:59
Analyst: AJK
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.23	1
Chloroform	ND		ug/kg	2.4	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.37	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.42	1
Tetrachloroethene	ND		ug/kg	0.80	0.31	1
Chlorobenzene	ND		ug/kg	0.80	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.4	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.41	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.26	1
Bromodichloromethane	ND		ug/kg	0.80	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.43	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.25	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	0.25	1
1,1-Dichloropropene	ND		ug/kg	0.80	0.25	1
Bromoform	ND		ug/kg	6.4	0.39	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.26	1
Benzene	ND		ug/kg	0.80	0.26	1
Toluene	ND		ug/kg	1.6	0.86	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.4	1.5	1
Bromomethane	ND		ug/kg	3.2	0.92	1
Vinyl chloride	ND		ug/kg	1.6	0.53	1
Chloroethane	ND		ug/kg	3.2	0.72	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.22	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01 Date Collected: 02/17/23 08:15

Client ID: B-5_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.80	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	0.27	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.32	1
p/m-Xylene	ND		ug/kg	3.2	0.89	1
o-Xylene	ND		ug/kg	1.6	0.46	1
Xylenes, Total	ND		ug/kg	1.6	0.46	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.2	0.38	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	27		ug/kg	16	7.6	1
Carbon disulfide	ND		ug/kg	16	7.2	1
2-Butanone	ND		ug/kg	16	3.5	1
Vinyl acetate	ND		ug/kg	16	3.4	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	0.20	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.2	0.33	1
2,2-Dichloropropane	ND		ug/kg	3.2	0.32	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.44	1
1,3-Dichloropropane	ND		ug/kg	3.2	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	0.21	1
Bromobenzene	ND		ug/kg	3.2	0.23	1
n-Butylbenzene	ND		ug/kg	1.6	0.26	1
sec-Butylbenzene	ND		ug/kg	1.6	0.23	1
tert-Butylbenzene	ND		ug/kg	3.2	0.19	1
o-Chlorotoluene	ND		ug/kg	3.2	0.30	1
p-Chlorotoluene	ND		ug/kg	3.2	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.27	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.4	1.0	1
Acrylonitrile	ND		ug/kg	6.4	1.8	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01 Date Collected: 02/17/23 08:15

Client ID: B-5_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	0.51	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	0.43	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	0.31	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	0.53	1
1,4-Dioxane	ND		ug/kg	130	56.	1
p-Diethylbenzene	ND		ug/kg	3.2	0.28	1
p-Ethyltoluene	ND		ug/kg	3.2	0.61	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.2	0.30	1
Ethyl ether	ND		ug/kg	3.2	0.54	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02
Client ID: B-5_4-6
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 08:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/20/23 11:20
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	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	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	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: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02 Date Collected: 02/17/23 08:20

Client ID: B-5_4-6 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	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	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	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	0.22	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	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	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	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02 Date Collected: 02/17/23 08:20

Client ID: B-5_4-6 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	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	5.3	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03
Client ID: B-6_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:40
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/20/23 11:40
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.80	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.80	0.18	1
1,2-Dichloropropane	ND		ug/kg	0.80	0.10	1
Dibromochloromethane	ND		ug/kg	0.80	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	0.21	1
Tetrachloroethene	ND		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	0.13	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.80	0.43	1
Ethylbenzene	ND		ug/kg	0.80	0.11	1
Chloromethane	ND		ug/kg	3.2	0.74	1
Bromomethane	ND		ug/kg	1.6	0.46	1
Vinyl chloride	ND		ug/kg	0.80	0.27	1
Chloroethane	ND		ug/kg	1.6	0.36	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03 Date Collected: 02/17/23 09:40

Client ID: B-6_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	0.40	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.80	0.23	1
Xylenes, Total	ND		ug/kg	0.80	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.80	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.73	1
Acetone	5.9	J	ug/kg	8.0	3.8	1
Carbon disulfide	ND		ug/kg	8.0	3.6	1
2-Butanone	ND		ug/kg	8.0	1.8	1
Vinyl acetate	ND		ug/kg	8.0	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.0	0.94	1
Bromochloromethane	ND		ug/kg	1.6	0.16	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.80	0.22	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	0.10	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.80	0.13	1
sec-Butylbenzene	ND		ug/kg	0.80	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.09	1
o-Chlorotoluene	ND		ug/kg	1.6	0.15	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.80	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.14	1
Isopropylbenzene	ND		ug/kg	0.80	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.80	0.09	1
Naphthalene	ND		ug/kg	3.2	0.52	1
Acrylonitrile	ND		ug/kg	3.2	0.92	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03 Date Collected: 02/17/23 09:40

Client ID: B-6_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	0.80	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	64	28.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.15	1
Ethyl ether	ND		ug/kg	1.6	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.0	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04
Client ID: B-7_3-5
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:30
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/20/23 12:01
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	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: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04 Date Collected: 02/17/23 09:30

Client ID: B-7_3-5 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

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

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04 Date Collected: 02/17/23 09:30

Client ID: B-7_3-5 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	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	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05
Client ID: B-7_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/21/23 18:56
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05 Date Collected: 02/17/23 09:20

Client ID: B-7_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	1
Acetone	ND		ug/kg	9.0	4.4	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05
Client ID: B-7_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:20
Date Received: 02/17/23
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	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	99		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/21/23 19:17
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	7.3		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.7	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06 Date Collected: 02/17/23 09:45

Client ID: B-6_5-7 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	40		ug/kg	2.7	0.74	1
o-Xylene	17		ug/kg	1.3	0.39	1
Xylenes, Total	57		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	1400	E	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.25	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	0.18	J	ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06 Date Collected: 02/17/23 09:45

Client ID: B-6_5-7 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.44	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.25	1
Ethyl ether	ND		ug/kg	2.7	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/22/23 15:59
Analyst: LAC
Percent Solids: 87%

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	51	7.4	1
Chloroform	ND		ug/kg	77	7.2	1
Carbon tetrachloride	ND		ug/kg	51	12.	1
1,2-Dichloropropane	ND		ug/kg	51	6.4	1
Dibromochloromethane	ND		ug/kg	51	7.2	1
1,1,2-Trichloroethane	ND		ug/kg	51	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.5	1
Trichlorofluoromethane	ND		ug/kg	200	36.	1
1,2-Dichloroethane	ND		ug/kg	51	13.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.6	1
Bromodichloromethane	ND		ug/kg	26	5.6	1
trans-1,3-Dichloropropene	ND		ug/kg	51	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.1	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.1	1
1,1-Dichloropropene	ND		ug/kg	26	8.2	1
Bromoform	ND		ug/kg	200	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.5	1
Benzene	ND		ug/kg	26	8.5	1
Toluene	ND		ug/kg	51	28.	1
Ethylbenzene	ND		ug/kg	51	7.2	1
Chloromethane	ND		ug/kg	200	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	51	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	51	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	77	7.0	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06 Date Collected: 02/17/23 09:45

Client ID: B-6_5-7 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	7.0	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.4	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.8	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	29.	1
o-Xylene	ND		ug/kg	51	15.	1
Xylenes, Total	ND		ug/kg	51	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	51	9.0	1
1,2-Dichloroethene, Total	ND		ug/kg	51	7.0	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	51	10.	1
Dichlorodifluoromethane	ND		ug/kg	510	47.	1
Acetone	ND		ug/kg	510	250	1
Carbon disulfide	ND		ug/kg	510	230	1
2-Butanone	ND		ug/kg	510	110	1
Vinyl acetate	ND		ug/kg	510	110	1
4-Methyl-2-pentanone	ND		ug/kg	510	66.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.5	1
2-Hexanone	ND		ug/kg	510	61.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	51	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.8	1
Bromobenzene	ND		ug/kg	100	7.4	1
n-Butylbenzene	ND		ug/kg	51	8.6	1
sec-Butylbenzene	ND		ug/kg	51	7.5	1
tert-Butylbenzene	ND		ug/kg	100	6.1	1
o-Chlorotoluene	ND		ug/kg	100	9.8	1
p-Chlorotoluene	ND		ug/kg	100	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	51.	1
Hexachlorobutadiene	ND		ug/kg	200	8.7	1
Isopropylbenzene	ND		ug/kg	51	5.6	1
p-Isopropyltoluene	ND		ug/kg	51	5.6	1
Naphthalene	ND		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	59.	1

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	51	8.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4100	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.1	1
p-Ethyltoluene	ND		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.8	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	73.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/20/23 10:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1747023-5					
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/20/23 10:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1747023-5					
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/20/23 10:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1747023-5					
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	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/23 18:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06 Batch: WG1747285-5					
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: 819 BEDFORD AVE
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/23 18:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06 Batch: WG1747285-5					
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/21/23 18:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06 Batch: WG1747285-5					
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	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 819 BEDFORD AVE
Project Number: 0207044
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/22/23 10:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1747663-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/22/23 10:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1747663-5					
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: 819 BEDFORD AVE
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Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/22/23 10:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06 Batch: WG1747663-5					
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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1747023-3 WG1747023-4								
Methylene chloride	96		100		70-130	4		30
1,1-Dichloroethane	105		108		70-130	3		30
Chloroform	101		102		70-130	1		30
Carbon tetrachloride	95		98		70-130	3		30
1,2-Dichloropropane	107		110		70-130	3		30
Dibromochloromethane	104		108		70-130	4		30
1,1,2-Trichloroethane	110		114		70-130	4		30
Tetrachloroethene	104		104		70-130	0		30
Chlorobenzene	106		108		70-130	2		30
Trichlorofluoromethane	87		85		70-139	2		30
1,2-Dichloroethane	116		119		70-130	3		30
1,1,1-Trichloroethane	100		101		70-130	1		30
Bromodichloromethane	105		109		70-130	4		30
trans-1,3-Dichloropropene	109		113		70-130	4		30
cis-1,3-Dichloropropene	104		106		70-130	2		30
1,1-Dichloropropene	101		102		70-130	1		30
Bromoform	103		106		70-130	3		30
1,1,2,2-Tetrachloroethane	104		104		70-130	0		30
Benzene	101		102		70-130	1		30
Toluene	103		105		70-130	2		30
Ethylbenzene	106		108		70-130	2		30
Chloromethane	86		87		52-130	1		30
Bromomethane	85		82		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1747023-3 WG1747023-4								
Vinyl chloride	78		78		67-130	0		30
Chloroethane	90		92		50-151	2		30
1,1-Dichloroethene	89		86		65-135	3		30
trans-1,2-Dichloroethene	93		98		70-130	5		30
Trichloroethene	104		108		70-130	4		30
1,2-Dichlorobenzene	106		109		70-130	3		30
1,3-Dichlorobenzene	106		108		70-130	2		30
1,4-Dichlorobenzene	104		108		70-130	4		30
Methyl tert butyl ether	106		112		66-130	6		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	109		110		70-130	1		30
cis-1,2-Dichloroethene	97		99		70-130	2		30
Dibromomethane	104		108		70-130	4		30
Styrene	111		114		70-130	3		30
Dichlorodifluoromethane	63		63		30-146	0		30
Acetone	**148**	Q	**163**	Q	54-140	10		30
Carbon disulfide	**135**	Q	**136**	Q	59-130	1		30
2-Butanone	127		**135**	Q	70-130	6		30
Vinyl acetate	102		96		70-130	6		30
4-Methyl-2-pentanone	108		114		70-130	5		30
1,2,3-Trichloropropane	114		119		68-130	4		30
2-Hexanone	119		129		70-130	8		30
Bromochloromethane	98		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1747023-3 WG1747023-4								
2,2-Dichloropropane	99		100		70-130	1		30
1,2-Dibromoethane	107		111		70-130	4		30
1,3-Dichloropropane	112		116		69-130	4		30
1,1,1,2-Tetrachloroethane	107		110		70-130	3		30
Bromobenzene	104		108		70-130	4		30
n-Butylbenzene	106		108		70-130	2		30
sec-Butylbenzene	102		104		70-130	2		30
tert-Butylbenzene	102		104		70-130	2		30
o-Chlorotoluene	103		113		70-130	9		30
p-Chlorotoluene	107		109		70-130	2		30
1,2-Dibromo-3-chloropropane	101		103		68-130	2		30
Hexachlorobutadiene	99		106		67-130	7		30
Isopropylbenzene	105		107		70-130	2		30
p-Isopropyltoluene	103		104		70-130	1		30
Naphthalene	106		111		70-130	5		30
Acrylonitrile	110		119		70-130	8		30
n-Propylbenzene	105		108		70-130	3		30
1,2,3-Trichlorobenzene	108		112		70-130	4		30
1,2,4-Trichlorobenzene	107		113		70-130	5		30
1,3,5-Trimethylbenzene	105		106		70-130	1		30
1,2,4-Trimethylbenzene	105		108		70-130	3		30
1,4-Dioxane	106		109		65-136	3		30
p-Diethylbenzene	102		105		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1747023-3 WG1747023-4								
p-Ethyltoluene	106		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	107		110		70-130	3		30
Ethyl ether	90		95		67-130	5		30
trans-1,4-Dichloro-2-butene	120		130		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06 Batch: WG1747285-3 WG1747285-4								
Methylene chloride	98		100		70-130	2		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	103		107		70-130	4		30
Carbon tetrachloride	97		99		70-130	2		30
1,2-Dichloropropane	105		109		70-130	4		30
Dibromochloromethane	103		106		70-130	3		30
1,1,2-Trichloroethane	106		110		70-130	4		30
Tetrachloroethene	109		113		70-130	4		30
Chlorobenzene	109		111		70-130	2		30
Trichlorofluoromethane	94		96		70-139	2		30
1,2-Dichloroethane	110		111		70-130	1		30
1,1,1-Trichloroethane	97		102		70-130	5		30
Bromodichloromethane	103		106		70-130	3		30
trans-1,3-Dichloropropene	103		104		70-130	1		30
cis-1,3-Dichloropropene	100		104		70-130	4		30
1,1-Dichloropropene	98		100		70-130	2		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	98		99		70-130	1		30
Benzene	101		105		70-130	4		30
Toluene	103		107		70-130	4		30
Ethylbenzene	105		109		70-130	4		30
Chloromethane	91		94		52-130	3		30
Bromomethane	92		96		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06 Batch: WG1747285-3 WG1747285-4								
Vinyl chloride	82		85		67-130	4		30
Chloroethane	101		103		50-151	2		30
1,1-Dichloroethene	97		99		65-135	2		30
trans-1,2-Dichloroethene	95		97		70-130	2		30
Trichloroethene	102		106		70-130	4		30
1,2-Dichlorobenzene	109		112		70-130	3		30
1,3-Dichlorobenzene	110		114		70-130	4		30
1,4-Dichlorobenzene	108		111		70-130	3		30
Methyl tert butyl ether	102		106		66-130	4		30
p/m-Xylene	106		110		70-130	4		30
o-Xylene	110		114		70-130	4		30
cis-1,2-Dichloroethene	100		102		70-130	2		30
Dibromomethane	105		108		70-130	3		30
Styrene	114		117		70-130	3		30
Dichlorodifluoromethane	66		67		30-146	2		30
Acetone	140		**142**	Q	54-140	1		30
Carbon disulfide	**146**	Q	**150**	Q	59-130	3		30
2-Butanone	118		114		70-130	3		30
Vinyl acetate	103		110		70-130	7		30
4-Methyl-2-pentanone	102		98		70-130	4		30
1,2,3-Trichloropropane	104		102		68-130	2		30
2-Hexanone	108		106		70-130	2		30
Bromochloromethane	106		109		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06 Batch: WG1747285-3 WG1747285-4								
2,2-Dichloropropane	95		99		70-130	4		30
1,2-Dibromoethane	105		107		70-130	2		30
1,3-Dichloropropane	107		109		69-130	2		30
1,1,1,2-Tetrachloroethane	110		114		70-130	4		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	106		108		70-130	2		30
sec-Butylbenzene	101		105		70-130	4		30
tert-Butylbenzene	102		105		70-130	3		30
o-Chlorotoluene	99		102		70-130	3		30
p-Chlorotoluene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	93		98		68-130	5		30
Hexachlorobutadiene	112		118		67-130	5		30
Isopropylbenzene	102		104		70-130	2		30
p-Isopropyltoluene	104		108		70-130	4		30
Naphthalene	105		106		70-130	1		30
Acrylonitrile	108		106		70-130	2		30
n-Propylbenzene	101		105		70-130	4		30
1,2,3-Trichlorobenzene	116		118		70-130	2		30
1,2,4-Trichlorobenzene	117		120		70-130	3		30
1,3,5-Trimethylbenzene	103		105		70-130	2		30
1,2,4-Trimethylbenzene	104		108		70-130	4		30
1,4-Dioxane	94		88		65-136	7		30
p-Diethylbenzene	104		108		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06 Batch: WG1747285-3 WG1747285-4								
p-Ethyltoluene	104		107		70-130	3		30
1,2,4,5-Tetramethylbenzene	109		113		70-130	4		30
Ethyl ether	100		102		67-130	2		30
trans-1,4-Dichloro-2-butene	107		106		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

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: WG1747663-3 WG1747663-4								
Methylene chloride	89		87		70-130	2		30
1,1-Dichloroethane	99		95		70-130	4		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	117		112		70-130	4		30
1,2-Dichloropropane	93		92		70-130	1		30
Dibromochloromethane	101		99		70-130	2		30
1,1,2-Trichloroethane	81		80		70-130	1		30
Tetrachloroethene	114		107		70-130	6		30
Chlorobenzene	95		92		70-130	3		30
Trichlorofluoromethane	121		113		70-139	7		30
1,2-Dichloroethane	106		105		70-130	1		30
1,1,1-Trichloroethane	114		108		70-130	5		30
Bromodichloromethane	99		98		70-130	1		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	93		92		70-130	1		30
1,1-Dichloropropene	104		98		70-130	6		30
Bromoform	96		97		70-130	1		30
1,1,2,2-Tetrachloroethane	71		72		70-130	1		30
Benzene	92		88		70-130	4		30
Toluene	92		88		70-130	4		30
Ethylbenzene	95		90		70-130	5		30
Chloromethane	77		72		52-130	7		30
Bromomethane	101		94		57-147	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

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: WG1747663-3 WG1747663-4								
Vinyl chloride	78		74		67-130	5		30
Chloroethane	82		79		50-151	4		30
1,1-Dichloroethene	98		94		65-135	4		30
trans-1,2-Dichloroethene	97		91		70-130	6		30
Trichloroethene	102		96		70-130	6		30
1,2-Dichlorobenzene	92		90		70-130	2		30
1,3-Dichlorobenzene	93		90		70-130	3		30
1,4-Dichlorobenzene	93		90		70-130	3		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	97		91		70-130	6		30
o-Xylene	98		95		70-130	3		30
cis-1,2-Dichloroethene	96		91		70-130	5		30
Dibromomethane	92		93		70-130	1		30
Styrene	97		94		70-130	3		30
Dichlorodifluoromethane	79		75		30-146	5		30
Acetone	101		102		54-140	1		30
Carbon disulfide	**145**	Q	**136**	Q	59-130	6		30
2-Butanone	90		91		70-130	1		30
Vinyl acetate	89		88		70-130	1		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	81		78		68-130	4		30
2-Hexanone	80		83		70-130	4		30
Bromochloromethane	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

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: WG1747663-3 WG1747663-4								
2,2-Dichloropropane	109		103		70-130	6		30
1,2-Dibromoethane	91		89		70-130	2		30
1,3-Dichloropropane	88		88		69-130	0		30
1,1,1,2-Tetrachloroethane	101		98		70-130	3		30
Bromobenzene	91		88		70-130	3		30
n-Butylbenzene	90		85		70-130	6		30
sec-Butylbenzene	91		87		70-130	4		30
tert-Butylbenzene	93		89		70-130	4		30
o-Chlorotoluene	90		86		70-130	5		30
p-Chlorotoluene	89		86		70-130	3		30
1,2-Dibromo-3-chloropropane	86		85		68-130	1		30
Hexachlorobutadiene	110		106		67-130	4		30
Isopropylbenzene	90		86		70-130	5		30
p-Isopropyltoluene	93		90		70-130	3		30
Naphthalene	92		92		70-130	0		30
Acrylonitrile	93		95		70-130	2		30
n-Propylbenzene	90		85		70-130	6		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	90		88		70-130	2		30
1,2,4-Trimethylbenzene	89		86		70-130	3		30
1,4-Dioxane	103		104		65-136	1		30
p-Diethylbenzene	93		89		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

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: WG1747663-3 WG1747663-4								
p-Ethyltoluene	91		86		70-130	6		30
1,2,4,5-Tetramethylbenzene	99		96		70-130	3		30
Ethyl ether	94		95		67-130	1		30
trans-1,4-Dichloro-2-butene	83		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01
Client ID: B-5_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 08:15
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/24/23 11:13
Analyst: IM
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	46	J	ug/kg	170	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	1600		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	100	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	110	J	ug/kg	220	55.	1
Di-n-butylphthalate	250		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01 Date Collected: 02/17/23 08:15

Client ID: B-5_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	810		ug/kg	130	24.	1
Benzo(a)pyrene	920		ug/kg	170	53.	1
Benzo(b)fluoranthene	1300		ug/kg	130	37.	1
Benzo(k)fluoranthene	390		ug/kg	130	35.	1
Chrysene	890		ug/kg	130	23.	1
Acenaphthylene	150	J	ug/kg	170	34.	1
Anthracene	170		ug/kg	130	42.	1
Benzo(ghi)perylene	650		ug/kg	170	26.	1
Fluorene	50	J	ug/kg	220	21.	1
Phenanthrene	810		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	130		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	700		ug/kg	170	30.	1
Pyrene	1400		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	28.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	43	J	ug/kg	220	21.	1
2-Methylnaphthalene	45	J	ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01 Date Collected: 02/17/23 08:15

Client ID: B-5_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	220	42.	1
Benzoic Acid	240	J	ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	140	J	ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	54		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02
Client ID: B-5_4-6
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 08:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/24/23 11:36
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	23	J	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	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02 Date Collected: 02/17/23 08:20

Client ID: B-5_4-6 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	22	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	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	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		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	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	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: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02
Client ID: B-5_4-6
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 08:20
Date Received: 02/17/23
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	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	80		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03
Client ID: B-6_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 09:40
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/23/23 21:47
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

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	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	200		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	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	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03 Date Collected: 02/17/23 09:40

Client ID: B-6_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	140		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	46.	1
Benzo(b)fluoranthene	170		ug/kg	110	32.	1
Benzo(k)fluoranthene	58	J	ug/kg	110	30.	1
Chrysene	130		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	82	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	77	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	91	J	ug/kg	150	26.	1
Pyrene	190		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	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	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03
Client ID: B-6_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:40
Date Received: 02/17/23
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	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	68		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04
Client ID: B-7_3-5
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 09:30
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/23/23 21:24
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04 Date Collected: 02/17/23 09:30

Client ID: B-7_3-5 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04 Date Collected: 02/17/23 09:30

Client ID: B-7_3-5 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN 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	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	61		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05
Client ID: B-7_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 09:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/23/23 21:00
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

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	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	72	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	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05 Date Collected: 02/17/23 09:20

Client ID: B-7_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	49	J	ug/kg	110	21.	1
Benzo(a)pyrene	52	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	58	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	49	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	24	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	34	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	35	J	ug/kg	150	26.	1
Pyrene	58	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05 Date Collected: 02/17/23 09:20

Client ID: B-7_0-2 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	44		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN

Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/23/23 20:36
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/21/23 18:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	22	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	85	J	ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06 Date Collected: 02/17/23 09:45

Client ID: B-6_5-7 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	21	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	26	J	ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:45
Date Received: 02/17/23
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	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	62		18-120

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/21/23 14:04
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 02/21/23 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1746703-1					
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/21/23 14:04
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 02/21/23 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1746703-1					
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	21.
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/21/23 14:04
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 02/21/23 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1746703-1					
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	77		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1746703-2 WG1746703-3								
Acenaphthene	67		74		31-137	10		50
1,2,4-Trichlorobenzene	74		82		38-107	10		50
Hexachlorobenzene	73		78		40-140	7		50
Bis(2-chloroethyl)ether	66		76		40-140	14		50
2-Chloronaphthalene	74		84		40-140	13		50
1,2-Dichlorobenzene	61		69		40-140	12		50
1,3-Dichlorobenzene	65		67		40-140	3		50
1,4-Dichlorobenzene	63		69		28-104	9		50
3,3'-Dichlorobenzidine	70		79		40-140	12		50
2,4-Dinitrotoluene	54		62		40-132	14		50
2,6-Dinitrotoluene	60		64		40-140	6		50
Fluoranthene	74		82		40-140	10		50
4-Chlorophenyl phenyl ether	73		79		40-140	8		50
4-Bromophenyl phenyl ether	69		74		40-140	7		50
Bis(2-chloroisopropyl)ether	83		92		40-140	10		50
Bis(2-chloroethoxy)methane	69		79		40-117	14		50
Hexachlorobutadiene	72		82		40-140	13		50
Hexachlorocyclopentadiene	**18**	Q	**21**	Q	40-140	15		50
Hexachloroethane	55		59		40-140	7		50
Isophorone	66		76		40-140	14		50
Naphthalene	66		71		40-140	7		50
Nitrobenzene	70		80		40-140	13		50
NDPA/DPA	68		74		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1746703-2 WG1746703-3								
n-Nitrosodi-n-propylamine	73		78		32-121	7		50
Bis(2-ethylhexyl)phthalate	73		80		40-140	9		50
Butyl benzyl phthalate	74		80		40-140	8		50
Di-n-butylphthalate	73		78		40-140	7		50
Di-n-octylphthalate	71		79		40-140	11		50
Diethyl phthalate	70		80		40-140	13		50
Dimethyl phthalate	69		80		40-140	15		50
Benzo(a)anthracene	71		78		40-140	9		50
Benzo(a)pyrene	64		72		40-140	12		50
Benzo(b)fluoranthene	61		70		40-140	14		50
Benzo(k)fluoranthene	62		71		40-140	14		50
Chrysene	67		76		40-140	13		50
Acenaphthylene	75		85		40-140	13		50
Anthracene	69		77		40-140	11		50
Benzo(ghi)perylene	61		68		40-140	11		50
Fluorene	70		78		40-140	11		50
Phenanthrene	68		76		40-140	11		50
Dibenzo(a,h)anthracene	62		71		40-140	14		50
Indeno(1,2,3-cd)pyrene	70		78		40-140	11		50
Pyrene	76		82		35-142	8		50
Biphenyl	70		76		37-127	8		50
4-Chloroaniline	93		101		40-140	8		50
2-Nitroaniline	74		85		47-134	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1746703-2 WG1746703-3								
3-Nitroaniline	76		87		26-129	13		50
4-Nitroaniline	77		85		41-125	10		50
Dibenzofuran	69		78		40-140	12		50
2-Methylnaphthalene	67		74		40-140	10		50
1,2,4,5-Tetrachlorobenzene	75		85		40-117	13		50
Acetophenone	71		81		14-144	13		50
2,4,6-Trichlorophenol	79		88		30-130	11		50
p-Chloro-m-cresol	78		85		26-103	9		50
2-Chlorophenol	69		80		25-102	15		50
2,4-Dichlorophenol	78		85		30-130	9		50
2,4-Dimethylphenol	67		74		30-130	10		50
2-Nitrophenol	39		49		30-130	23		50
4-Nitrophenol	72		86		11-114	18		50
2,4-Dinitrophenol	**0**	Q	13		4-130	NC		50
4,6-Dinitro-o-cresol	**5**	Q	11		10-130	**68**	Q	50
Pentachlorophenol	80		89		17-109	11		50
Phenol	71		79		26-90	11		50
2-Methylphenol	68		77		30-130.	12		50
3-Methylphenol/4-Methylphenol	75		84		30-130	11		50
2,4,5-Trichlorophenol	82		92		30-130	11		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	75		83		40-140	10		50
Carbazole	70		77		54-128	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1746703-2 WG1746703-3								
1,4-Dioxane	45		44		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		77		25-120
Phenol-d6	72		79		10-120
Nitrobenzene-d5	70		83		23-120
2-Fluorobiphenyl	72		79		30-120
2,4,6-Tribromophenol	70		75		10-136
4-Terphenyl-d14	67		74		18-120

METALS

Project Name: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01
Client ID: B-5_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 08:15
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1390		mg/kg	10.2	2.76	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Antimony, Total	2460		mg/kg	5.11	0.388	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Arsenic, Total	125		mg/kg	1.02	0.212	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Barium, Total	0.216	J	mg/kg	1.02	0.178	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.146	J	mg/kg	0.511	0.034	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Cadmium, Total	6.48		mg/kg	1.02	0.100	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Calcium, Total	877		mg/kg	10.2	3.58	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Chromium, Total	76.2		mg/kg	1.02	0.098	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Cobalt, Total	17.3		mg/kg	2.04	0.170	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Copper, Total	266		mg/kg	1.02	0.264	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Iron, Total	121000		mg/kg	25.5	4.61	10	02/20/23 23:40	02/22/23 15:41	EPA 3050B	1,6010D	EGW
Lead, Total	30800		mg/kg	25.5	1.37	10	02/20/23 23:40	02/22/23 15:41	EPA 3050B	1,6010D	EGW
Magnesium, Total	229		mg/kg	10.2	1.57	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Manganese, Total	437		mg/kg	1.02	0.162	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Mercury, Total	14.4		mg/kg	0.878	0.573	10	02/21/23 00:34	02/23/23 10:25	EPA 7471B	1,7471B	DMB
Nickel, Total	57.6		mg/kg	2.55	0.247	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Potassium, Total	336		mg/kg	255	14.7	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Selenium, Total	2.32		mg/kg	2.04	0.264	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Silver, Total	5.65		mg/kg	0.511	0.289	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Sodium, Total	256		mg/kg	204	3.22	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Thallium, Total	2.11		mg/kg	2.04	0.322	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Vanadium, Total	32.0		mg/kg	1.02	0.207	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW
Zinc, Total	699		mg/kg	5.11	0.299	2	02/20/23 23:40	02/22/23 13:06	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE
Lab Number: L2308809
Project Number: 0207044
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02
Client ID: B-5_4-6
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 08:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6990		mg/kg	8.80	2.38	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Antimony, Total	11.7		mg/kg	4.40	0.335	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Arsenic, Total	2.59		mg/kg	0.880	0.183	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Barium, Total	27.1		mg/kg	0.880	0.153	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.171	J	mg/kg	0.440	0.029	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.268	J	mg/kg	0.880	0.086	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Calcium, Total	912		mg/kg	8.80	3.08	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Chromium, Total	12.7		mg/kg	0.880	0.085	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Cobalt, Total	3.02		mg/kg	1.76	0.146	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Copper, Total	23.7		mg/kg	0.880	0.227	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Iron, Total	13400		mg/kg	4.40	0.795	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Lead, Total	46.3		mg/kg	4.40	0.236	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Magnesium, Total	3040		mg/kg	8.80	1.36	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Manganese, Total	89.1		mg/kg	0.880	0.140	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Mercury, Total	0.499		mg/kg	0.075	0.049	1	02/21/23 00:34	02/22/23 15:07	EPA 7471B	1,7471B	DMB
Nickel, Total	10.7		mg/kg	2.20	0.213	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Potassium, Total	1040		mg/kg	220	12.7	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.76	0.227	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.440	0.249	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Sodium, Total	64.3	J	mg/kg	176	2.77	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Thallium, Total	0.344	J	mg/kg	1.76	0.277	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Vanadium, Total	28.8		mg/kg	0.880	0.179	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW
Zinc, Total	60.0		mg/kg	4.40	0.258	2	02/20/23 23:40	02/22/23 13:11	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03
Client ID: B-6_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:40
Date Received: 02/17/23
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	8620		mg/kg	8.95	2.42	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Antimony, Total	2.57	J	mg/kg	4.48	0.340	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Arsenic, Total	7.50		mg/kg	0.895	0.186	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Barium, Total	63.0		mg/kg	0.895	0.156	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.443	J	mg/kg	0.448	0.030	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.318	J	mg/kg	0.895	0.088	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Calcium, Total	1180		mg/kg	8.95	3.13	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Chromium, Total	16.7		mg/kg	0.895	0.086	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Cobalt, Total	7.33		mg/kg	1.79	0.149	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Copper, Total	31.6		mg/kg	0.895	0.231	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Iron, Total	20800		mg/kg	4.48	0.808	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Lead, Total	168		mg/kg	4.48	0.240	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Magnesium, Total	1730		mg/kg	8.95	1.38	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Manganese, Total	392		mg/kg	0.895	0.142	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Mercury, Total	0.487		mg/kg	0.085	0.056	1	02/21/23 00:34	02/22/23 15:10	EPA 7471B	1,7471B	DMB
Nickel, Total	10.1		mg/kg	2.24	0.217	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Potassium, Total	454		mg/kg	224	12.9	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.79	0.231	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.448	0.253	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Sodium, Total	35.4	J	mg/kg	179	2.82	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Thallium, Total	0.604	J	mg/kg	1.79	0.282	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Vanadium, Total	25.4		mg/kg	0.895	0.182	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW
Zinc, Total	66.5		mg/kg	4.48	0.262	2	02/20/23 23:40	02/22/23 13:16	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE **Lab Number:** L2308809

Project Number: 0207044 **Report Date:** 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04 Date Collected: 02/17/23 09:30

Client ID: B-7_3-5 Date Received: 02/17/23

Sample Location: 819 BEDFORD AVE BROOKLYN Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8690		mg/kg	8.67	2.34	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Antimony, Total	0.355	J	mg/kg	4.34	0.330	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Arsenic, Total	2.52		mg/kg	0.867	0.180	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Barium, Total	36.5		mg/kg	0.867	0.151	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.530		mg/kg	0.434	0.029	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.224	J	mg/kg	0.867	0.085	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Calcium, Total	305		mg/kg	8.67	3.04	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Chromium, Total	17.5		mg/kg	0.867	0.083	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Cobalt, Total	6.75		mg/kg	1.73	0.144	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Copper, Total	19.5		mg/kg	0.867	0.224	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Iron, Total	20700		mg/kg	4.34	0.783	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Lead, Total	18.3		mg/kg	4.34	0.232	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Magnesium, Total	2210		mg/kg	8.67	1.34	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Manganese, Total	332		mg/kg	0.867	0.138	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.079	0.051	1	02/21/23 00:34	02/22/23 15:14	EPA 7471B	1,7471B	DMB
Nickel, Total	10.2		mg/kg	2.17	0.210	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Potassium, Total	1090		mg/kg	217	12.5	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.73	0.224	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.434	0.245	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Sodium, Total	33.2	J	mg/kg	173	2.73	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Thallium, Total	0.653	J	mg/kg	1.73	0.273	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Vanadium, Total	29.3		mg/kg	0.867	0.176	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW
Zinc, Total	72.0		mg/kg	4.34	0.254	2	02/20/23 23:40	02/22/23 13:20	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05
Client ID: B-7_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Date Collected: 02/17/23 09:20
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9930		mg/kg	8.90	2.40	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Antimony, Total	0.498	J	mg/kg	4.45	0.338	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Arsenic, Total	4.45		mg/kg	0.890	0.185	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Barium, Total	55.7		mg/kg	0.890	0.155	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.388	J	mg/kg	0.445	0.029	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.161	J	mg/kg	0.890	0.087	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Calcium, Total	1560		mg/kg	8.90	3.11	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Chromium, Total	17.9		mg/kg	0.890	0.085	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Cobalt, Total	5.04		mg/kg	1.78	0.148	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Copper, Total	18.4		mg/kg	0.890	0.230	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Iron, Total	19700		mg/kg	4.45	0.803	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Lead, Total	82.5		mg/kg	4.45	0.238	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Magnesium, Total	3380		mg/kg	8.90	1.37	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Manganese, Total	241		mg/kg	0.890	0.141	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Mercury, Total	0.506		mg/kg	0.078	0.051	1	02/21/23 00:34	02/22/23 15:17	EPA 7471B	1,7471B	DMB
Nickel, Total	11.0		mg/kg	2.22	0.215	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Potassium, Total	999		mg/kg	222	12.8	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.78	0.230	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.445	0.252	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Sodium, Total	41.0	J	mg/kg	178	2.80	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Thallium, Total	0.629	J	mg/kg	1.78	0.280	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Vanadium, Total	32.3		mg/kg	0.890	0.181	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW
Zinc, Total	47.2		mg/kg	4.45	0.261	2	02/20/23 23:40	02/22/23 13:25	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil
Percent Solids: 87%
Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	8580		mg/kg	8.64	2.33	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Antimony, Total	0.415	J	mg/kg	4.32	0.328	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Arsenic, Total	3.47		mg/kg	0.864	0.180	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Barium, Total	57.3		mg/kg	0.864	0.150	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.484		mg/kg	0.432	0.029	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.279	J	mg/kg	0.864	0.085	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Calcium, Total	11000		mg/kg	8.64	3.02	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Chromium, Total	27.1		mg/kg	0.864	0.083	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Cobalt, Total	7.46		mg/kg	1.73	0.143	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Copper, Total	27.1		mg/kg	0.864	0.223	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Iron, Total	18900		mg/kg	4.32	0.780	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Lead, Total	52.1		mg/kg	4.32	0.232	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Magnesium, Total	4720		mg/kg	8.64	1.33	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Manganese, Total	380		mg/kg	0.864	0.137	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.075	0.049	1	02/21/23 00:34	02/22/23 15:27	EPA 7471B	1,7471B	DMB
Nickel, Total	19.1		mg/kg	2.16	0.209	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Potassium, Total	2470		mg/kg	216	12.4	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.73	0.223	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.432	0.244	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Sodium, Total	82.6	J	mg/kg	173	2.72	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Thallium, Total	0.629	J	mg/kg	1.73	0.272	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Vanadium, Total	33.4		mg/kg	0.864	0.175	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW
Zinc, Total	85.0		mg/kg	4.32	0.253	2	02/20/23 23:40	02/22/23 13:30	EPA 3050B	1,6010D	EGW

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1746218-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	0.070	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Copper, Total	ND		mg/kg	0.400	0.103	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Iron, Total	ND		mg/kg	2.00	0.361	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Potassium, Total	ND		mg/kg	100	5.76	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Silver, Total	ND		mg/kg	0.200	0.113	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Sodium, Total	4.12	J	mg/kg	80.0	1.26	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/20/23 23:40	02/22/23 07:54	1,6010D	EGW

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): 01-06 Batch: WG1746219-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	02/21/23 00:34	02/21/23 17:13	1,7471B	DMB

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1746218-2 SRM Lot Number: D116-540								
Aluminum, Total	68		-		45-155	-		
Antimony, Total	167		-		2-205	-		
Arsenic, Total	114		-		82-119	-		
Barium, Total	97		-		82-118	-		
Beryllium, Total	86		-		82-118	-		
Cadmium, Total	104		-		82-118	-		
Calcium, Total	81		-		81-119	-		
Chromium, Total	84		-		81-118	-		
Cobalt, Total	104		-		83-117	-		
Copper, Total	93		-		83-117	-		
Iron, Total	80		-		58-142	-		
Lead, Total	105		-		83-117	-		
Magnesium, Total	79		-		75-125	-		
Manganese, Total	90		-		82-118	-		
Nickel, Total	100		-		82-118	-		
Potassium, Total	82		-		68-131	-		
Selenium, Total	109		-		78-122	-		
Silver, Total	90		-		79-121	-		
Sodium, Total	85		-		71-130	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	88		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1746218-2 SRM Lot Number: D116-540					
Zinc, Total	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1746219-2 SRM Lot Number: D116-540					
Mercury, Total	102	-	58-142	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

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): 01-06 QC Batch ID: WG1746218-3 QC Sample: L2308815-01 Client ID: MS Sample												
Aluminum, Total	5480	183	8810	**1820**	Q	-	-		75-125	-		20
Antimony, Total	0.593J	45.8	42.8	93		-	-		75-125	-		20
Arsenic, Total	3.58	11	18.5	**136**	Q	-	-		75-125	-		20
Barium, Total	30.8	183	253	121		-	-		75-125	-		20
Beryllium, Total	0.306J	4.58	5.34	117		-	-		75-125	-		20
Cadmium, Total	0.500J	4.85	5.58	115		-	-		75-125	-		20
Calcium, Total	761	916	2220	**159**	Q	-	-		75-125	-		20
Chromium, Total	10.7	18.3	32.6	120		-	-		75-125	-		20
Cobalt, Total	3.71	45.8	49.2	99		-	-		75-125	-		20
Copper, Total	14.4	22.9	49.3	**152**	Q	-	-		75-125	-		20
Iron, Total	9260	91.6	14400	**5610**	Q	-	-		75-125	-		20
Lead, Total	196	48.5	405	**431**	Q	-	-		75-125	-		20
Magnesium, Total	456	916	1650	**130**	Q	-	-		75-125	-		20
Manganese, Total	150	45.8	197	103		-	-		75-125	-		20
Nickel, Total	4.08	45.8	48.7	97		-	-		75-125	-		20
Potassium, Total	284	916	1450	**127**	Q	-	-		75-125	-		20
Selenium, Total	ND	11	10.0	91		-	-		75-125	-		20
Silver, Total	ND	4.58	4.16	91		-	-		75-125	-		20
Sodium, Total	101J	916	1130	123		-	-		75-125	-		20
Thallium, Total	ND	11	11.1	101		-	-		75-125	-		20
Vanadium, Total	18.0	45.8	69.5	112		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1746218-3 QC Sample: L2308815-01 Client ID: MS Sample										
Zinc, Total	99.6	45.8	239	**304**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1746219-3 QC Sample: L2200083-72 Client ID: MS Sample										
Mercury, Total	0.216	1.39	1.60	99		-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1746218-4 QC Sample: L2308815-01 Client ID: DUP Sample						
Aluminum, Total	5480	6230	mg/kg	13		20
Antimony, Total	0.593J	0.406J	mg/kg	NC		20
Arsenic, Total	3.58	4.76	mg/kg	**28**	Q	20
Barium, Total	30.8	45.3	mg/kg	**38**	Q	20
Beryllium, Total	0.306J	0.352J	mg/kg	NC		20
Cadmium, Total	0.500J	0.706J	mg/kg	NC		20
Chromium, Total	10.7	12.1	mg/kg	12		20
Cobalt, Total	3.71	4.22	mg/kg	13		20
Copper, Total	14.4	19.1	mg/kg	**28**	Q	20
Iron, Total	9260	11000	mg/kg	17		20
Lead, Total	196	225	mg/kg	14		20
Manganese, Total	150	140	mg/kg	7		20
Nickel, Total	4.08	5.06	mg/kg	**21**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	0.423J	mg/kg	NC		20
Vanadium, Total	18.0	20.3	mg/kg	12		20
Zinc, Total	99.6	137	mg/kg	**32**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1746219-4 QC Sample: L2200083-72 Client ID: DUP Sample					
Mercury, Total	0.216	0.201	mg/kg	7	20

INORGANICS
&
MISCELLANEOUS

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-01
Client ID: B-5_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 08:15
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.1		%	0.100	NA	1	-	02/18/23 11:01	121,2540G	ROI

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-02
Client ID: B-5_4-6
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 08:20
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	02/18/23 11:01	121,2540G	ROI

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-03
Client ID: B-6_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 09:40
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	02/18/23 11:01	121,2540G	ROI

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-04
Client ID: B-7_3-5
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 09:30
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	02/18/23 11:01	121,2540G	ROI

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-05
Client ID: B-7_0-2
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 09:20
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	02/18/23 11:13	121,2540G	ROI

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308809
Report Date: 02/24/23

SAMPLE RESULTS

Lab ID: L2308809-06
Client ID: B-6_5-7
Sample Location: 819 BEDFORD AVE BROOKLYN
Sample Depth:
Matrix: Soil

Date Collected: 02/17/23 09:45
Date Received: 02/17/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	02/18/23 11:13	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308809

Report Date: 02/24/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1745944-1 QC Sample: L2308634-01 Client ID: DUP Sample						
Solids, Total	87.4	87.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 05-06 QC Batch ID: WG1745945-1 QC Sample: L2308771-01 Client ID: DUP Sample						
Solids, Total	90.4	90.4	%	0		20

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

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(*)
L2308809-01A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-01B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-01C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-01D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2308809-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2308809-01F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2308809-02A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-02B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-02C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-02D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2308809-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2308809-02F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2308809-03A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-03B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-03C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-03D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2308809-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2308809-03F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2308809-04A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-04B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-04C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-04D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2308809-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2308809-04F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2308809-05A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-05A1	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2308809-05B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-05C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14)
L2308809-05D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2308809-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2308809-05F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2308809-06A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2308809-06B	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2308809-06C	Vial water preserved	A	NA		2.5	Y	Absent	18-FEB-23 00:44	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2308809-06D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308809
Report Date: 02/24/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2308809-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2308809-06F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

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:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

Data Qualifiers

Identified Compounds (TICs).

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308809
Project Number:	0207044	**Report Date:**	02/24/23

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

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: 2/17/23

ALPHA Job #: L2308809

Client Information
Client: Hurley-Aldrich
Address: 232 W 25th St NY NY
Phone:
Fax:
Email: Escheuermann@HurleyAldrich.com

Project Information
Project Name: 819 Bedford Ave
Project Location: 819 Bedford Ave Brooklyn
Project #: 0207644
(Use Project name as Project #) ☑
Project Manager:
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 CAT B

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	SVOCs	Other Metals	Total Bottle	Sample Specific Comments
08809-01	B-5-0-2	2/17/23	815	S	RF	X	X	X		
-02	B-5-4-6		820			X	X	X		
-03	B-6-0-2		920			X	X	X		
-04	B-6-DUP-3-5		930			X	X	X		
-05	B-7-0-2		940			X	X	X		
-06	B-7-5-7	↓	945	↓	↓	X	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											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
	2-17-23 1350		2-17-23 1350
	2-17-23 1600	Paul Mascelli	2/17/23 1600
Paul Mascelli	2/17/23		2/17/23 2100
	2/17/23 2300		2/17/23 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. 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:	L2308813
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Elizabeth Scheuerman
Phone:	(646) 277-5692
Project Name:	819 BEDFORD AVE
Project Number:	0207044
Report Date:	02/22/23

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: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308813
Report Date: 02/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2308813-01	SV-5_02172023	SOIL_VAPOR	819 BEDFORD AVE	02/17/23 11:05	02/17/23
L2308813-02	SV-6_02172023	SOIL_VAPOR	819 BEDFORD AVE	02/17/23 11:25	02/17/23

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308813
Project Number:	0207044	**Report Date:**	02/22/23

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:	819 BEDFORD AVE	**Lab Number:**	L2308813
Project Number:	0207044	**Report Date:**	02/22/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 17, 2023. The canister certification results are provided as an addendum.

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: 02/22/23

AIR

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-01
Client ID: SV-5_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:05
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/22/23 05:13
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.523	0.200	--	2.59	0.989	--		1
Chloromethane	0.279	0.200	--	0.576	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	2.15	0.200	--	4.76	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.8	5.00	--	27.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	21.0	1.00	--	49.9	2.38	--		1
Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--		1
Isopropanol	6.56	0.500	--	16.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.37	0.500	--	4.15	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.425	0.200	--	1.32	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	18.1	0.500	--	53.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-01
Client ID: SV-5_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:05
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.936	0.500	--	2.76	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	8.36	0.200	--	29.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	5.29	0.200	--	16.9	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	4.25	0.200	--	14.6	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	4.21	0.200	--	19.7	0.934	--		1
Heptane	5.05	0.200	--	20.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.50	0.500	--	6.15	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	12.9	0.200	--	48.6	0.754	--		1
2-Hexanone	0.439	0.200	--	1.80	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	2.29	0.200	--	9.95	0.869	--		1

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-01
Client ID: SV-5_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:05
Date Received: 02/17/23
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	6.76	0.400	--	29.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.40	0.200	--	5.96	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.40	0.200	--	10.4	0.869	--		1
4-Ethyltoluene	0.224	0.200	--	1.10	0.983	--		1
1,3,5-Trimethylbenzene	0.251	0.200	--	1.23	0.983	--		1
1,2,4-Trimethylbenzene	0.618	0.200	--	3.04	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	97		60-140

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-02
Client ID: SV-6_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:25
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/22/23 05:52
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	0.342	0.200	--	0.706	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	6.07	0.200	--	13.4	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	12.6	5.00	--	23.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	40.5	1.00	--	96.2	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	4.03	0.500	--	9.91	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.28	0.500	--	3.88	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.764	0.200	--	2.38	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	17.6	0.500	--	51.9	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-02
Client ID: SV-6_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:25
Date Received: 02/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.685	0.500	--	2.02	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.19	0.200	--	7.72	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.29	0.200	--	7.32	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.08	0.200	--	3.72	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	1.16	0.200	--	4.75	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.892	0.500	--	3.66	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	2.84	0.200	--	10.7	0.754	--		1
2-Hexanone	1.45	0.200	--	5.94	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.216	0.200	--	1.46	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.671	0.200	--	2.91	0.869	--		1

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

SAMPLE RESULTS

Lab ID: L2308813-02
Client ID: SV-6_02172023
Sample Location: 819 BEDFORD AVE

Date Collected: 02/17/23 11:25
Date Received: 02/17/23
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	2.19	0.400	--	9.51	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.20	0.200	--	5.11	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.860	0.200	--	3.74	0.869	--		1
4-Ethyltoluene	0.334	0.200	--	1.64	0.983	--		1
1,3,5-Trimethylbenzene	0.405	0.200	--	1.99	0.983	--		1
1,2,4-Trimethylbenzene	1.20	0.200	--	5.90	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/21/23 16:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1747070-4								
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/21/23 16:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1747070-4								
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: 819 BEDFORD AVE
Project Number: 0207044
Lab Number: L2308813
Report Date: 02/22/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/21/23 16:16

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1747070-4								
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: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308813
Report Date: 02/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1747070-3								
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	90		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	84		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethanol	67		-		40-160	-		
Vinyl bromide	86		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	104		-		70-130	-		
Isopropanol	95		-		40-160	-		
1,1-Dichloroethene	97		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	103		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	103		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	99		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308813
Report Date: 02/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1747070-3								
Ethyl Acetate	99		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	91		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	115		-		70-130	-		
Cyclohexane	91		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	93		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	104		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	120		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 819 BEDFORD AVE

Project Number: 0207044

Lab Number: L2308813

Report Date: 02/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1747070-3								
Tetrachloroethene	100		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	128		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	97		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	92		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Project Name: 819 BEDFORD AVE

Lab Number: L2308813

Project Number: 0207044

Report Date: 02/22/23

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
L2308813-01	SV-5_02172023	02179	Flow 3	02/17/23	414691		-	-	-	Pass	18.0	17.9	1
L2308813-01	SV-5_02172023	3225	2.7L Can	02/17/23	414691	L2306987-06	Pass	-29.6	-8.7	-	-	-	-
L2308813-02	SV-6_02172023	01495	Flow 3	02/17/23	414691		-	-	-	Pass	18.0	18.0	0
L2308813-02	SV-6_02172023	2431	2.7L Can	02/17/23	414691	L2306987-06	Pass	-29.9	-7.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/09/23 22:16
Analyst: JMB

	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: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
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: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
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: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
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: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/09/23 22:16
Analyst: JMB

	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: L2306987
Report Date: 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2306987

Project Number: CANISTER QC BAT **Report Date:** 02/22/23

Air Canister Certification Results

Lab ID: L2306987-06
Client ID: CAN 2028 SHELF 8
Sample Location:

Date Collected: 02/09/23 11:00
Date Received: 02/09/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: 819 BEDFORD AVE
Project Number: 0207044

Lab Number: L2308813
Report Date: 02/22/23

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(*)
L2308813-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2308813-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308813
Project Number:	0207044	**Report Date:**	02/22/23

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:	819 BEDFORD AVE	**Lab Number:**	L2308813
Project Number:	0207044	**Report Date:**	02/22/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	819 BEDFORD AVE	**Lab Number:**	L2308813
Project Number:	0207044	**Report Date:**	02/22/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 2/18/23

ALPHA Job #: L2308813

Client Information

Client: Haley Aldrich
Address: 237 W 35th St NY NY
Phone:
Fax:
Email: EScheuerman@HaleyAldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 84 Bedford Ave
Project Location: 84 Bedford Ave
Project #: 0207041
Project Manager: E. Scheuerman
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs	Fixed Gases ☐	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
08813-01	SV-5-021723	2/17/23	0910	1105	-29.8	-9	SV	RF	2L	[illegible]	[illegible]	*					
-02	SV-6-021723	2/17/23	0930	1125	-29.9	-8.03	↓	RF	2L	[illegible]	[illegible]	*					

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	2/17/23 1310	[signature]	2-17-23 1312
[signature]	2-17-23 1600	[signature]	2/17/23 2100
[signature]	2/17/23	[signature]	2/17/23 0020
[signature]	2/18/23 0345	[signature]	2/18/23 03:45

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.