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11 May 2023
File No. 0207897-002

Via Electronic Mail

ACI Chemical Treatment and Dependency Center
C/O Prospect Developers II
589 Rockaway Avenue
Brooklyn, New York 11206

Attention: Mr. Konstantin Gubareff

Subject: Limited Phase II Environmental Site Investigation Report
650 Southern Boulevard
Bronx, New York

Dear Mr. Gubareff:

As requested, Haley & Aldrich of New York (Haley & Aldrich), is providing this letter to Mr. Konstantin Gubareff summarizing the results of the Limited Phase II Environmental Site Investigation (ESI) completed at 650 Southern Boulevard, Bronx, New York (the Site) from 28 February to 5 April 2023.

BACKGROUND

The approximately 9,999 square-foot (sq ft) Site, identified as Block 2603, Lot 157 on the New York City tax map in a residential R7-1 zoning area, is improved with two adjacent and vacant one-story buildings which cover the entirety of the parcel. The approximately 7,500 sq ft western building was most recently occupied by a church, Dabar Tabernacle of Deliverance. The approximately 2,499 sq ft eastern building was previously operated by various commercial businesses which included auto repair and a plumbing supplies company.

The Site is located within an urban area characterized by multi-story commercial and residential buildings. The Site is bound to the north by Southern Blvd followed by a school, church, and a multi-story mixed-used buildings; to the east by a multi-story residential building; to the south by a warehouse followed by Timpson Place, auto repair shops, and commercial buildings; and a medical facility to the west, followed by a multi-story residential building, parking garage, and Avenue Saint John. The Metropolitan Transit Authority Subway 6 line is located approximately 25 feet (ft) to the north below Southern Boulevard. At this time, we understand future development, while in conceptual design, will include a cellar extending approximately 12 ft below grade surface (bgs) through the entirety of the Site footprint.

Based on a Phase I Environmental Site Assessment (ESA) completed by Haley & Aldrich in March 2023, the Site was vacant from the late-1890s to the mid-1920s. Available historical records identify the Site as developed with two, one-story spaces in the 1940s. Between the 1940s and 1980s, the Site was occupied for commercial use by businesses that included plumbing and heating supplies and an auto body shop. The western building was most recently occupied by Dabar Tabernacle of Deliverance, beginning in 2005. Based on available records, it appears that the automotive activities occurred between 1986 and 2005 in the garage area in the eastern portion of the Site. The Phase I ESA revealed two Recognized Environmental Conditions (RECs) in connection with the Site. During the Site visit conducted by Haley & Aldrich on 16 February 2023, two 500-gallon aboveground storage tanks (ASTs) were identified in the partial cellar, in the northeast corner of the former garage. The tanks were observed to be empty and corroded. Additionally, during the Site visit, two fill ports were identified in the northeast portion of the former garage.

Historical use of adjoining and likely up-gradient properties included auto body shops, manufacturing, low-rise dwellings, and a garage. These operations may have included the use, storage, and disposal of hazardous materials and/or petroleum products.

SUBSURFACE INVESTIGATION

Prior to ground intrusive work, Haley & Aldrich oversaw a geophysical survey performed by Nova Geophysical Services (NOVA) at the Site on 28 February 2023, to determine the presence of any utilities, underground storage tanks (USTs), or anomalies beneath the Site surface in the vicinity of proposed boring locations. An underground scanning ground-penetrating radar (GPR) antenna capable of detecting objects up to 8 ft deep in ideal conditions, and an electromagnetic pipe and cable locator used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities, were used during this investigation. The geophysical noise level (GNL) at the Site was high due to the surrounding urban environment and other unknown anthropogenic noise sources.

Anomalies resembling potential subsurface utilities (such as sewer) were identified within the surveyed areas. No large geophysical anomalies resembling a potential UST were identified during the geophysical engineering survey near the proposed boring locations. The full Geophysical Engineering Survey Report is provided in Attachment A.

Haley & Aldrich mobilized to the Site with Lakewood Environmental Services, Corp. (Lakewood) between February and April 2023 to perform the Limited Phase II ESI, which included a total of 12 soil borings, one permanent groundwater monitoring well, two temporary groundwater monitoring wells, two sub-slab vapor points, and two soil vapor sample points. Sample locations are presented in Figure 1. Haley & Aldrich field personnel were on-Site to document field observations and collect soil, groundwater, and soil vapor samples. Boring locations were chosen to assess the potential impacts from on-Site sources and from existing Site conditions. Terminal depths of soil borings varied based on the subsurface conditions encountered during installation and drilling methodologies.

Between 28 February and 03 March 2023, Haley & Aldrich and Lakewood completed the installation of seven soil borings, one permanent groundwater monitoring well, and two sub-slab vapor points in the eastern portion of the Site in the former garage area:

- Seven soil borings (SB01 through SB05 and HA-1 through HA-2) were installed to depths ranging from 5 to 19.5 ft bgs. One shallow soil sample was collected at each soil boring location, specifically from the 0 to 2 ft bgs interval. Soil samples were also collected from a second, deeper interval at soil borings SB02 (6 to 8 ft bgs) and SB04 (8 to 10 ft bgs).
- A total of 18 soil samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total metals.
- One permanent groundwater monitoring well, OW-1 was installed to 20 ft bgs, adjacent to soil boring HA-1. One groundwater sample was collected from OW-1 and analyzed for VOCs.
- Two sub-slab soil vapor points, SG-01 and SG-02, were installed approximately 1 ft below the concrete floor slab of the building. Two soil vapor samples were collected and analyzed for VOCs.

On 16 and 23 March 2023, Haley & Aldrich and Lakewood completed the installation of five soil borings within the former church area on the western portion of the Site.

- Five soil borings (SB06 through SB10) were installed to depths up to 8 ft below the encountered concrete slab. One shallow soil sample was collected at each soil boring location, specifically from the 0 to 2 ft bgs interval. Soil samples were also collected from a second, deeper interval at soil borings SB06 and SB07 (6 to 8 ft bgs), SB08, SB09, and SB10 (5 to 7 ft bgs)
 - The former church area on the western portion of the Site appears to have a second concrete slab poured over the original slab, as well as varied flooring materials (i.e., tile and wood). As a result, the existing grade surface in the former church area is approximately 8 to 12 inches above the former garage area to the east.

On 5 April 2023, Haley & Aldrich and Lakewood completed the installation of two temporary groundwater monitoring wells and two soil vapor sample points in the eastern portion of the Site in the former garage area:

- Two soil vapor points, SV-01 and SV-02, were installed to approximately 8 to 10 ft bgs, or approximately 2 ft above the groundwater table.
- Two temporary groundwater monitoring wells, TWP-02 and TWP-03, were installed to 15 and 18 ft bgs, respectively.

This Phase II ESI was completed between February and April 2023 using a combination of drilling equipment, specifically a Power Probe 9100 P and Geoprobe® 6610DT track-mounted drilling rigs in the garage area on the eastern portion of the Site, and a limited-access jackhammer large bore sampling device and a Geoprobe® 54DT track-mounted drilling rig in the church area on the western portion of the Site. All samples were collected into laboratory-provided containers, placed on ice in coolers, and shipped by courier to Alpha Analytical, Inc. of Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified

laboratory. All soil vapor samples were collected over a 2-hour period in 2.7-liter stainless-steel SUMMA® canisters supplied by the laboratory and analyzed for VOCs.

Urban fill generally consisting of brown to gray, medium to coarse sand with silt and varying amounts of organic matter, brick, and gravel was observed from surface grade to approximately 1 to 2 ft bgs in each soil boring. The urban fill layer was underlain by a potential native layer consisting of medium brown to reddish-brown medium to coarse sand with varying amounts of silt, gravel, and weathered bedrock. Soil cores were collected continuously, characterized, and screened for visual and olfactory evidence of contamination such as staining and odors.

Instrumental screening for the presence of organic vapors was performed using a photoionization detector (PID). PID readings of non-detect at 0.0 parts per million (ppm) to 0.1 ppm were recorded in site-wide soils, except for SB06 which recorded PID readings of 0.0 to 12.4 ppm. Soil borings logs are included in Attachment B. During the investigation, groundwater was encountered at a depth of approximately 11.15 ft bgs at OW-1. The monitoring well construction log is included in Attachment C.

RESULTS

Full analytical results for soil, groundwater, and soil vapor are provided in Tables I, II, and III. Detections above regulatory criteria and/or guidance values are summarized in Figures 2, 3, and 4. Full laboratory analytical reports are provided in Attachment D.

SOIL

Soil analytical results were compared to 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 (UUSCOs), Restricted-Residential Use Soil Cleanup Objectives (RRSCOs), Restricted-Commercial Use Soil Cleanup Objectives (RCSCOs) and Protection of Groundwater SCOs (PGWSCOs).

SVOCs

SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), were identified in shallow soil samples at concentrations exceeding RRSCOs, UUSCOs, and PGWSCOs in soil samples SB01 (0-2') and SB07 (0-2'). The maximum concentrations were all detected in soil sample SB07 (0-2').

Three SVOCs exceeded RRSCOs, UUSCOs, and PGWSCOs in soil samples collected from SB01 (0-2') and SB07 (0-2'):

- Benzo(a)anthracene (maximum concentration 2.8 milligrams per kilogram [mg/kg]);
- Benzo(b)fluoranthene (maximum concentration 2.9 mg/kg); and
- Chrysene (maximum concentration 3 mg/kg).

Three SVOCs exceeded RRSCOs and UUSCOs but were detected below PGWSCOs:

- Benzo(a)pyrene (maximum concentration 2.6 mg/kg);
 - Benzo(a)pyrene also exceeded the RCSCOs in samples collected from SB01 (0-2') and SB07 (0-2');
- Dibenzo(a,h)anthracene (maximum concentration 0.35 mg/kg); and
- Indeno(1,2,3-cd)pyrene (maximum concentration 1.6 mg/kg).

One PAH, benzo(k)fluoranthene, was detected above UUSCOs but below RRSCOs and PGWSCOs in soil sample SB07 (0-2') at a concentration of 0.88 mg/kg.

Metals

The following total metals were detected in soil samples at concentrations above RRSCOs, UUSCOs, and PGWSCOs:

- Mercury was detected above the RRSCO, UUSCOs, and PGWSCO at concentration of 1.02 mg/kg in SB02 (0-2') and above the UUSCO at concentration of 0.543 mg/kg in SB01 (0-2');
- Lead was detected at a maximum concentration of 412 mg/kg in soil sample SB01 (0-2'), exceeding RRSCO and UUSCO. Lead was detected above the UUSCO but below the RRSCO in soil sample SB06 (0-2') at a concentration of 322 mg/kg.
- Three metals were detected above the UUSCOs but below RRSCOs: copper at a maximum concentration of 81.1 mg/kg in SB06 (4-6'), nickel at maximum concentration of 38.2 mg/kg in SB03 (0-2'), and zinc at maximum concentration of 218 mg/kg in SB01 (0-2').

VOCs

Chlorinated VOCs (CVOC) tetrachloroethene (PCE) and trichloroethene (TCE), and three petroleum-related VOCs (benzene, toluene, and ethylbenzene) were detected above laboratory detection limits but below applicable SCOs in shallow soil samples collected during this Phase II ESI.

PCE was detected in six shallow soil samples with a maximum concentration of 0.017 mg/kg at SB02 (0-2'). Benzene and toluene were detected in two shallow soil samples at maximum concentrations of 0.00087 mg/kg and 0.0015 mg/kg, respectively, from SB03 (0-2'). Ethylbenzene was detected in sample HA-1 (10-12') at a concentration of 0.37 mg/kg.

GROUNDWATER

Groundwater analytical results were compared to 6NYCRR Part 703.5 NYSDEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards (AWQS).

Two CVOCs, vinyl chloride and cis-1,2,-dichloroethene, were detected above AWQS in a groundwater sample from OW-1. Vinyl chloride was detected at a concentration of 30 micrograms per liter (µg/L) and cis-1,2,-dichloroethene was detected at a concentration of 39 µg/L. PCE was detected above the

laboratory method detection limit but below the reporting limit and AWQS in a groundwater sample from OW-01 at an estimated concentration of 0.39 µg/L.

Three petroleum-related VOCs (benzene, ethylbenzene, and n-propylbenzene) were detected above AWQS in a groundwater sample from OW-1. Benzene was detected at a concentration of 12 µg/L, ethylbenzene at a concentration of 5.9 µg/L, and n-propylbenzene at a concentration of 7.4 µg/L.

Three additional VOCs, 1,2-dichlorobenzene, naphthalene, and 1,2,4,5-tetramethylbenzene, were detected above AWQS in a groundwater sample from OW-1. 1,2-dichlorobenzene was detected at a concentration of 11 µg/L, naphthalene at a concentration of 27 µg/L, and 1,2,4,5-tetramethylbenzene at a concentration of 5.9 µg/L.

One VOC, 1,2-dichlorobenzene, was detected above AWQS in a groundwater sample from TWP-03. 1,2-dichlorobenzene was detected at a concentration of 13 µg/L.

cis-1,2-dichloroethene was detected above the laboratory reporting limit but below AWQS in a groundwater sample from TWP-03 at a concentration of 2.8 µg/L. Benzene, TCE, and vinyl chloride were detected in TWP-03 above the laboratory method detection limits but below the reporting limits and AWQSs at estimated concentrations of 0.19 µg/L, 0.32 µg/L, and 0.7 µg/L, respectively.

SOIL VAPOR

No standard currently exists for soil vapor samples in New York State. However, it should be noted that detectable concentrations of each of the petroleum-related VOCs benzene, toluene, ethylbenzene, and total xylenes (BTEX) were detected above laboratory reporting limits in both sub-slab soil vapor samples (SG-01 and SG-02). The CVOC PCE was detected in sub-slab soil vapor sample SG-02.

BTEX and PCE were detected in both soil vapor samples (SV-01 and SV-02), collected from approximately 8-10 ft below grade, or approximately 2 ft above the groundwater table. TCE was detected in soil vapor sample SV-01 at a concentration of 1.27 micrograms per cubic meter (µg/m³).

PCE concentrations ranged from 3.67 µg/m³ in sub-slab soil vapor sample SG-02 to 8.14 µg/m³ in soil vapor sample SV-01. Total BTEX concentrations ranged from 22.5 µg/m³ in sub-slab soil vapor sample SG-01 to 280 µg/m³ in soil vapor sample SV-01. Total VOC concentrations ranged from 123.0 µg/m³ in sub-slab soil vapor sample SG-01 to 1,122.1 µg/m³ in soil vapor sample SV-02.

CONCLUSIONS AND RECOMMENDATIONS

Field observations and analytical results identified urban fill contaminated with total metals and SVOCs (specifically PAHs) at concentrations consistent with characteristics of urban fill found throughout the New York City area. Soil samples were collected from across the building footprint, while sub-slab, soil vapor, and groundwater samples were collected from the eastern portion of the building due to access restrictions.

Total metals and SVOCs exceeding RRSCOs were detected across the Site in urban fill, from surface soil to approximately 2 ft bgs. The CVOC PCE and the petroleum-related VOCs benzene and ethylbenzene were also detected in soil and sub-slab soil vapor samples. The total VOCs, total CVOCs, and total BTEX concentrations were higher in the deeper samples collected during this Phase II ESI, from approximately 8 to 10 ft bgs, than the concentrations detected in the sub-slab samples.

Two CVOCs were detected above AWQs in groundwater, as well as three petroleum-related VOCs and three additional VOCs. The presence of CVOCs and petroleum-related VOC in groundwater, combined with the CVOCs and petroleum-related VOCs detected above the groundwater table (i.e., in soil and soil vapor), indicate that an on-Site source may exist. Further investigation that covers the full building footprint would be required to determine the potential on-Site source, or contribution from an off-Site source, of VOC 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



James M. Bellew
Principal



Suzanne Bell
Senior Project Manager

Attachments:

- Table I – Soil Analytical Results
- Table II – Groundwater Analytical Results
- Table III – Soil Vapor Analytical Results
- Figure 1 – Sample Location Map
- Figure 2 – Map of Soil Chemistry
- Figure 3 – Map of Groundwater Chemistry
- Figure 4 – Map of Soil Vapor Chemistry
- Attachment A – Geophysical Engineering Survey Report
- Attachment B – Soil Boring Logs
- Attachment C – Temporary Monitoring Well Purge Logs
- Attachment D – Analytical Laboratory Reports

TABLES

TABLE I
SOIL ANALYTICAL RESULTS
650 SOUTHERN BOULEVARD
BRONX, NY
FILE NO. 0207897

Location Name Sample Name Sample Date Lab Sample ID Sample Depth (bgs)	Action Level				HA-1	SB01	SB02	SB02	SB03	SB04	SB04	SB05	SB06	SB06	SB07	SB07	SB08	SB08	SB09	SB09	SB10	SB10
	Restricted Use Soil Cleanup Objectives - Protection of Groundwater	Restricted Use Soil Cleanup Objectives - Commercial	Restricted Use Soil Cleanup Objectives - Residential	Unrestricted Use Soil Cleanup Objectives	HA-1 (10-12) 02/28/2023 L2310486-01 10 - 12 (ft)	SB01 (0-2) 02/28/2023 L2310486-02 0 - 2 (ft)	SB02 (0-2) 03/01/2023 L2310696-01 0 - 2 (ft)	SB02 (6-8) 03/01/2023 L2310696-02 6 - 8 (ft)	SB03 (0-2) 03/01/2023 L2310696-03 0 - 2 (ft)	SB04 (0-2) 03/02/2023 L2310923-01 0 - 2 (ft)	SB04 (8-10) 03/02/2023 L2310923-02 8 - 10 (ft)	SB05 (0-2) 03/02/2023 L2310923-03 0 - 2 (ft)	SB06 (0-2) 03/16/2023 L2313698-01 0 - 2 (ft)	SB06 (4-6) 03/16/2023 L2313698-02 4 - 6 (ft)	SB07 (0-2) 03/23/2023 L2315307-01 0 - 2 (ft)	SB07 (4-6) 03/23/2023 L2315307-02 4 - 6 (ft)	SB08 (0-2) 03/23/2023 L2315307-03 0 - 2 (ft)	SB08 (5-7) 03/23/2023 L2315307-04 5 - 7 (ft)	SB09 (0-2) 03/23/2023 L2315307-05 0 - 2 (ft)	SB09 (5-7) 03/23/2023 L2315307-06 5 - 7 (ft)	SB10 (0-2) 03/23/2023 L2315307-07 0 - 2 (ft)	SB10 (5-7) 03/23/2023 L2315307-08 5 - 7 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	NA	NA	NA	7220	5380	10700	15200	18300	11800	13600	10800	10300	14600	18500	19600	15000	15100	19100	15700	17900	14300
Antimony	NA	NA	NA	NA	0.464 J	1.32 J	0.442 J	1.11 J	0.855 J	ND (4.54)	ND (4.11)	ND (4)	2.5 J	1.86 J	1.62 J	1.9 J	1.01 J	1.4 J	1.52 J	0.904 J	1.41 J	1.18 J
Arsenic	16	16	16	13	ND (0.905)	8.35	3.05	ND (0.851)	ND (0.878)	3.31	0.604 J	1.13	3.46	0.285 J	2.99	ND (0.803)	1.58	0.268 J	1.12	1.28	0.836 J	0.916
Barium	820	400	400	350	61.6	122	123	149	116	53.1	137	99.4	134	82.6	120	137	93	133	116	97.4	105	130
Beryllium	47	590	72	7.2	5.34	6.95	0.928	1.89	1.57	0.59	0.896	0.513	0.275 J	0.387 J	0.851	0.704	0.744	0.741	0.815	0.731	0.776	0.57
Cadmium	7.5	9.3	4.3	2.5	0.164 J	0.582 J	0.199 J	0.258 J	0.302 J	ND (0.908)	ND (0.822)	ND (0.8)	ND (0.823)	ND (0.818)	ND (0.862)	ND (0.803)	ND (0.843)	ND (0.836)	ND (0.879)	ND (0.845)	ND (0.878)	ND (0.794)
Calcium	NA	NA	NA	NA	1590	11900	8870	1580	1900	2590	1000	486	12000	589	1800	810	931	1070	1320	5480	1110	2220
Chromium	NA	NA	NA	NA	9.96	14.6	18.1	24.6	38.9	21.3	20.1	16.8	20.1	29.1	33.5	31.6	28.6	24.8	37.8	34.5	32.4	37.4
Cobalt	NA	NA	NA	NA	4.39	6.45	8.84	13.8	16.5	9.37	15.4	8.15	6.88	14.8	14.8	16.9	13.2	10.8	13.2	11.9	13.5	8.21
Copper	1720	270	270	50	15.6	56.1	25.2	28.3	34.6	17	28.6	31.4	50.8	81.1	54.6	24.7	35.8	21.4	39.8	35.3	45.3	38.5
Iron	NA	NA	NA	NA	11100	13000	17000	29300	29000	16900	22200	18000	17400	26000	26900	31000	23100	23700	27600	23500	26800	22200
Lead	450	1000	400	63	15.5	412	32.7	21	49.8	14.2	4.01 J	3.43 J	322	10.6	27.2	3.42 J	6.42	4.2	6.84	7.26	8.07	11.9
Magnesium	NA	NA	NA	NA	3290	3080	3730	7210	7840	3300	5430	4420	3400	5970	5440	7050	4990	5930	5800	5420	5490	4780
Manganese	2000	10000	2000	1600	112	233	256	358	394	311	328	128	357	496	873	356	718	214	560	576	595	325
Mercury	0.73	2.8	0.81	0.18	ND (0.073)	0.543	1.02	ND (0.069)	ND (0.071)	0.052 J	ND (0.068)	ND (0.069)	0.098	ND (0.074)	ND (0.073)	ND (0.066)	ND (0.07)	ND (0.069)	ND (0.073)	ND (0.072)	ND (0.071)	0.057 J
Nickel	130	310	310	30	7.99	14.5	17.3	16.8	38.2	15.2	24.7	11.1	13.9	23.1	32.3	32	26	19.2	27.5	24.7	26	18.1
Potassium	NA	NA	NA	NA	2840	1080	3610	9660	6990	1140	7790	6310	1740	3940	5510	10900	5120	9180	4580	3940	5820	6370
Selenium	4	1500	180	3.9	ND (1.81)	0.629 J	ND (1.72)	ND (1.7)	ND (1.76)	ND (1.82)	ND (1.64)	ND (1.6)	ND (1.64)	ND (1.64)	ND (1.72)	ND (1.6)	ND (1.68)	ND (1.67)	0.284 J	ND (1.69)	ND (1.76)	0.281 J
Silver	8.3	1500	180	2	ND (0.452)	ND (0.433)	ND (0.431)	ND (0.426)	ND (0.439)	ND (0.454)	ND (0.411)	ND (0.4)	ND (0.411)	ND (0.409)	ND (0.431)	ND (0.401)	ND (0.421)	ND (0.418)	ND (0.44)	ND (0.422)	ND (0.439)	ND (0.397)
Sodium	NA	NA	NA	NA	138 J	296	303	92.1 J	254	45.7 J	147 J	149 J	215	198	223	290	181	196	193	154 J	234	170
Thallium	NA	NA	NA	NA	0.588 J	0.863 J	0.576 J	1.41 J	1.19 J	0.338 J	1.54 J	1.06 J	0.445 J	0.747 J	1.19 J	1.47 J	0.668 J	1.49 J	1.15 J	0.867 J	1.22 J	1.18 J
Vanadium	NA	NA	NA	NA	12.7	22.2	27.7	28.5	45.1	29.2	36.8	22	28.8	35.6	46.2	42.8	40.5	35.4	51.4	42.4	48.6	40
Zinc	2480	10000	10000	109	29.7	218	77.6	95.6	92.9	55	75.1	50.4	127	64.8	73.6	80	47.9	81.4	63.1	102	60.8	54.7
Other																						
Total Solids (%)	NA	NA	NA	NA	85.8	88.7	90.6	91.3	89	84.3	92.6	97.6	93.4	94.2	88	95.8	90.8	90.9	87	89.5	88.5	95.4

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

--: Not Analyzed

bgs: below ground surface

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), Restricted-Use Residential SCOs, and Protection of Groundwater SCO's.

- **Black bold** values indicate an exceedance of the Protection of Groundwater Criteria.

- **Red bold** values indicate an exceedance of the Restricted use Commercial Soil Cleanup Objectives.

- 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.

TABLE II
GROUNDWATER ANALYTICAL RESULTS
650 SOUTHERN BOULEVARD
BRONX, NY
FILE NO. 0207897

	Action Level				
	Location Name	New York TOGS	OW-01	TWP-02	TWP-03
	Sample Name	111 Ambient	OW-01-20230302	TWP-02-20230405	TWP-03-20230410
	Sample Date	Water Quality	03/02/2023	04/05/2023	04/10/2023
Lab Sample ID	Standards	L2310923-04	L2318006-01	L2318871-01	
Volatile Organic Compounds (ug/L)					
1,1,1,2-Tetrachloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,1,1-Trichloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,1,2,2-Tetrachloroethane	5	ND (0.5)	ND (0.5)	ND (0.5)	
1,1,2-Trichloroethane	1	ND (1.5)	ND (1.5)	ND (1.5)	
1,1-Dichloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,1-Dichloroethene	5	ND (0.5)	ND (0.5)	ND (0.5)	
1,1-Dichloropropene	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,2,3-Trichlorobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,2,3-Trichloropropane	0.04	ND (2.5)	ND (2.5)	ND (2.5)	
1,2,4,5-Tetramethylbenzene	5	5.9	ND (2)	ND (2)	
1,2,4-Trichlorobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,2,4-Trimethylbenzene	5	2.2 J	ND (2.5)	ND (2.5)	
1,2-Dibromo-3-chloropropane (DBCP)	0.04	ND (2.5)	ND (2.5)	ND (2.5)	
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ND (2)	ND (2)	ND (2)	
1,2-Dichlorobenzene	3	11	ND (2.5)	13	
1,2-Dichloroethane	0.6	ND (0.5)	ND (0.5)	ND (0.5)	
1,2-Dichloroethene (total)	NA	39	ND (2.5)	2.8	
1,2-Dichloropropane	1	ND (1)	ND (1)	ND (1)	
1,3,5-Trimethylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,3-Dichlorobenzene	3	ND (2.5)	ND (2.5)	ND (2.5)	
1,3-Dichloropropane	5	ND (2.5)	ND (2.5)	ND (2.5)	
1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	
1,4-Dichlorobenzene	3	1.2 J	ND (2.5)	0.83 J	
1,4-Diethylbenzene	NA	4.6	ND (2)	ND (2)	
1,4-Dioxane	0.35	ND (250)	ND (250)	ND (250)	
2,2-Dichloropropane	5	ND (2.5)	ND (2.5)	ND (2.5)	
2-Butanone (Methyl Ethyl Ketone)	50	ND (5)	ND (5)	ND (5)	
2-Chlorotoluene	5	ND (2.5)	ND (2.5)	ND (2.5)	
2-Hexanone (Methyl Butyl Ketone)	50	ND (5)	ND (5)	ND (5)	
2-Phenylbutane (sec-Butylbenzene)	5	2.3 J	ND (2.5)	ND (2.5)	
4-Chlorotoluene	5	ND (2.5)	ND (2.5)	ND (2.5)	
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	2.1	ND (2)	ND (2)	
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (5)	ND (5)	ND (5)	
Acetone	50	8.5	14	3.2 J	
Acrylonitrile	5	ND (5)	ND (5)	ND (5)	
Benzene	1	12	ND (0.5)	0.19 J	
Bromobenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	
Bromodichloromethane	50	ND (0.5)	ND (0.5)	ND (0.5)	
Bromoform	50	ND (2)	ND (2)	ND (2)	
Bromomethane (Methyl Bromide)	5	ND (2.5)	ND (2.5)	ND (2.5)	
Carbon disulfide	60	ND (5)	ND (5)	ND (5)	
Carbon tetrachloride	5	ND (0.5)	ND (0.5)	ND (0.5)	
Chlorobenzene	5	0.9 J	ND (2.5)	2.8	
Chlorobromomethane	5	ND (2.5)	ND (2.5)	ND (2.5)	
Chloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	
Chloroform (Trichloromethane)	7	3.2	6.8	ND (2.5)	
Chloromethane (Methyl Chloride)	5	ND (2.5)	ND (2.5)	ND (2.5)	
cis-1,2-Dichloroethene	5	39	ND (2.5)	2.8	
cis-1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	
Cymene (p-Isopropyltoluene)	5	1.1 J	ND (2.5)	ND (2.5)	
Dibromochloromethane	50	ND (0.5)	ND (0.5)	ND (0.5)	
Dibromomethane	5	ND (5)	ND (5)	ND (5)	
Dichlorodifluoromethane (CFC-12)	5	ND (5)	ND (5)	ND (5)	
Ethyl Ether	NA	ND (2.5)	ND (2.5)	ND (2.5)	
Ethylbenzene	5	5.9	ND (2.5)	ND (2.5)	
Hexachlorobutadiene	0.5	ND (2.5)	ND (2.5)	ND (2.5)	
Isopropylbenzene (Cumene)	5	4.3	ND (2.5)	ND (2.5)	
m,p-Xylenes	5	0.91 J	ND (2.5)	ND (2.5)	
Methyl Tert Butyl Ether (MTBE)	10	5.4	ND (2.5)	2 J	
Methylene chloride (Dichloromethane)	5	ND (2.5)	ND (2.5)	ND (2.5)	
Naphthalene	10	27	ND (2.5)	ND (2.5)	
n-Butylbenzene	5	1.8 J	ND (2.5)	ND (2.5)	
n-Propylbenzene	5	7.4	ND (2.5)	ND (2.5)	
o-Xylene	5	ND (2.5)	ND (2.5)	ND (2.5)	
Styrene	5	ND (2.5)	ND (2.5)	ND (2.5)	
tert-Butylbenzene	5	ND (2.5)	ND (2.5)	ND (2.5)	
Tetrachloroethene	5	0.39 J	ND (0.5)	ND (0.5)	
Toluene	5	ND (2.5)	ND (2.5)	ND (2.5)	
trans-1,2-Dichloroethene	5	ND (2.5)	ND (2.5)	ND (2.5)	
trans-1,3-Dichloropropene	0.4	ND (0.5)	ND (0.5)	ND (0.5)	
trans-1,4-Dichloro-2-butene	5	ND (2.5)	ND (2.5)	ND (2.5)	
Trichloroethene	5	ND (0.5)	ND (0.5)	0.32 J	
Trichlorofluoromethane (CFC-11)	5	ND (2.5)	ND (2.5)	ND (2.5)	
Vinyl acetate	NA	ND (5)	ND (5)	ND (5)	
Vinyl chloride	2	30	ND (1)	0.7 J	
Xylene (Total)	5	0.91 J	ND (2.5)	ND (2.5)	

ABBREVIATIONS AND NOTES:

µg/L: micrograms per liter

--: Not Analyzed

bgs: below ground surface

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.

- Water analytical results are compared to the New York TOGS 111 Ambient Water Quality Standards.

- Bold indicates an exceedance of AWQS criteria.

TABLE III
SOIL VAPOR ANALYTICAL RESULTS
 650 SOUTHERN BOULEVARD
 BRONX, NY
 FILE NO. 0207897

Location Name Sample Name Sample Date Lab Sample ID				
	SG-01	SG-02	SV-01	SV-02
	SG-01-20230302	SG-02-20230302	SV-01-20230405	SV-02-20230405
	03/02/2023	03/02/2023	04/05/2023	04/05/2023
	L2310922-01	L2310922-02	L2318021-01	L2318021-02
Volatile Organic Compounds (ug/m3)				
1,1,1-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)
1,1,2,2-Tetrachloroethane	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)
1,1-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)
1,1-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)
1,2,4-Trichlorobenzene	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)
1,2,4-Trimethylbenzene	ND (0.983)	ND (0.983)	168	265
1,2-Dibromoethane (Ethylene Dibromide)	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,2-Dichloroethane	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)
1,2-Dichloropropane	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
1,3,5-Trimethylbenzene	ND (0.983)	ND (0.983)	39.5	72.8
1,3-Butadiene	ND (0.442)	ND (0.442)	3.25	3.32
1,3-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dioxane	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)
2,2,4-Trimethylpentane	1.68	ND (0.934)	4.53	4.04
2-Butanone (Methyl Ethyl Ketone)	5.96	10.1	8.55	33.3
2-Hexanone (Methyl Butyl Ketone)	ND (0.82)	ND (0.82)	1.84	14.3
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	ND (0.983)	ND (0.983)	24	21.1
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2.05)	ND (2.05)	3.48	4.3
Acetone	11.7	32.5	222	375
Allyl chloride	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)
Benzene	2.46	3.09	2.84	3.39
Benzyl Chloride (alpha-Chlorotoluene)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)
Bromodichloromethane	ND (1.34)	ND (1.34)	ND (1.34)	3.64
Bromoform	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)
Bromomethane (Methyl Bromide)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)
Carbon disulfide	0.645	4.05	13.9	31.5
Carbon tetrachloride	ND (1.26)	ND (1.26)	ND (1.26)	ND (1.26)
Chlorobenzene	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)
Chloroethane	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)
Chloroform (Trichloromethane)	ND (0.977)	12.3	6.98	5.08
Chloromethane (Methyl Chloride)	ND (0.413)	ND (0.413)	0.496	0.562
cis-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)
cis-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)
Cyclohexane	1.65	5.61	3.13	4.47
Dibromochloromethane	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	2.5	2.64	2.34	2.45
Ethanol	47.1	95	40.9	16.6
Ethyl acetate	4.76	4.29	ND (1.8)	ND (1.8)
Ethylbenzene	1.94	2.18	25.1	18.1
Hexachlorobutadiene	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)
Hexane	6.91	10.4	7.4	4.62
Isopropyl Alcohol (2-Propanol)	7.87	14.6	14	3.74
m,p-Xylenes	7.47	7.47	110	79.5
Methyl Tert Butyl Ether (MTBE)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)
Methylene chloride (Dichloromethane)	ND (1.74)	ND (1.74)	ND (1.74)	ND (1.74)
N-Heptane	2.5	2.33	10.1	5.04
o-Xylene	2.78	2.85	105	99
Styrene	ND (0.852)	ND (0.852)	ND (0.852)	ND (0.852)
Tert-Butyl Alcohol (tert-Butanol)	5.91	23.5	6.49	6.67
Tetrachloroethene	ND (1.36)	3.67	8.14	7.26
Tetrahydrofuran	ND (1.47)	ND (1.47)	ND (1.47)	1.97
Toluene	7.88	9.91	36.7	33.8
trans-1,2-Dichloroethene	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)
trans-1,3-Dichloropropene	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)
Trichloroethene	ND (1.07)	ND (1.07)	1.27	ND (1.07)
Trichlorofluoromethane (CFC-11)	1.28	1.94	1.29	1.52
Trifluorotrichloroethane (Freon 113)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)
Vinyl chloride	ND (0.511)	ND (0.511)	ND (0.511)	ND (0.511)
SUM of Volatile Organic Compounds	122.995	248.43	871.226	1122.07
SUM of CVOCS	ND	3.67	9.41	7.26
SUM of BTEX	22.5	25.5	280	234

ABBREVIATIONS AND NOTES:

$\mu\text{g}/\text{m}^3$: 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

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. SB06 THROUGH SB10 INSTALLED BELOW THE ENCOUNTERED CONCRETE SLAB



0 30 60
SCALE IN FEET

HALEY
ALDRICH

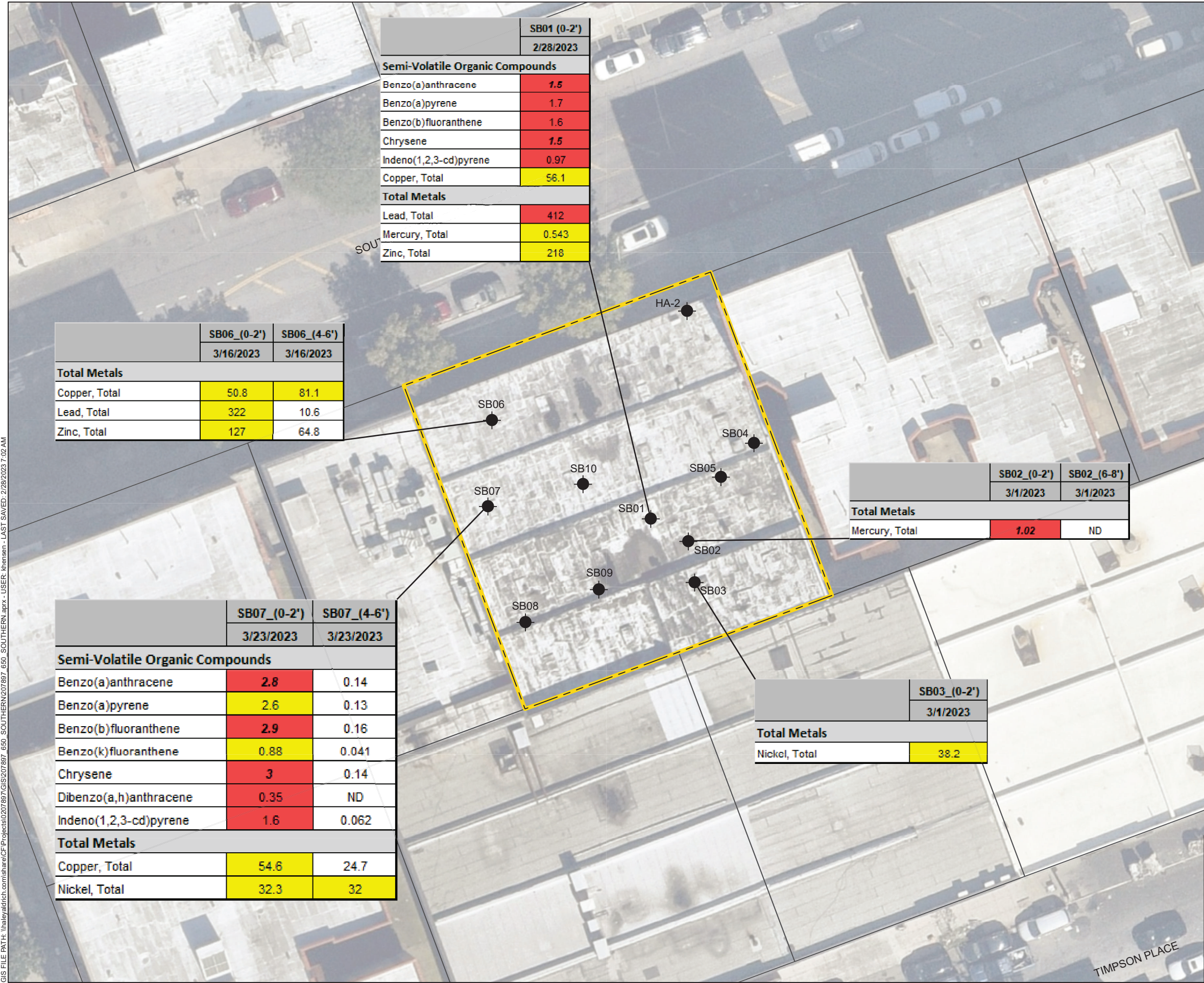
650 SOUTHERN BOULEVARD
BRONX, NEW YORK

SAMPLE LOCATION PLAN

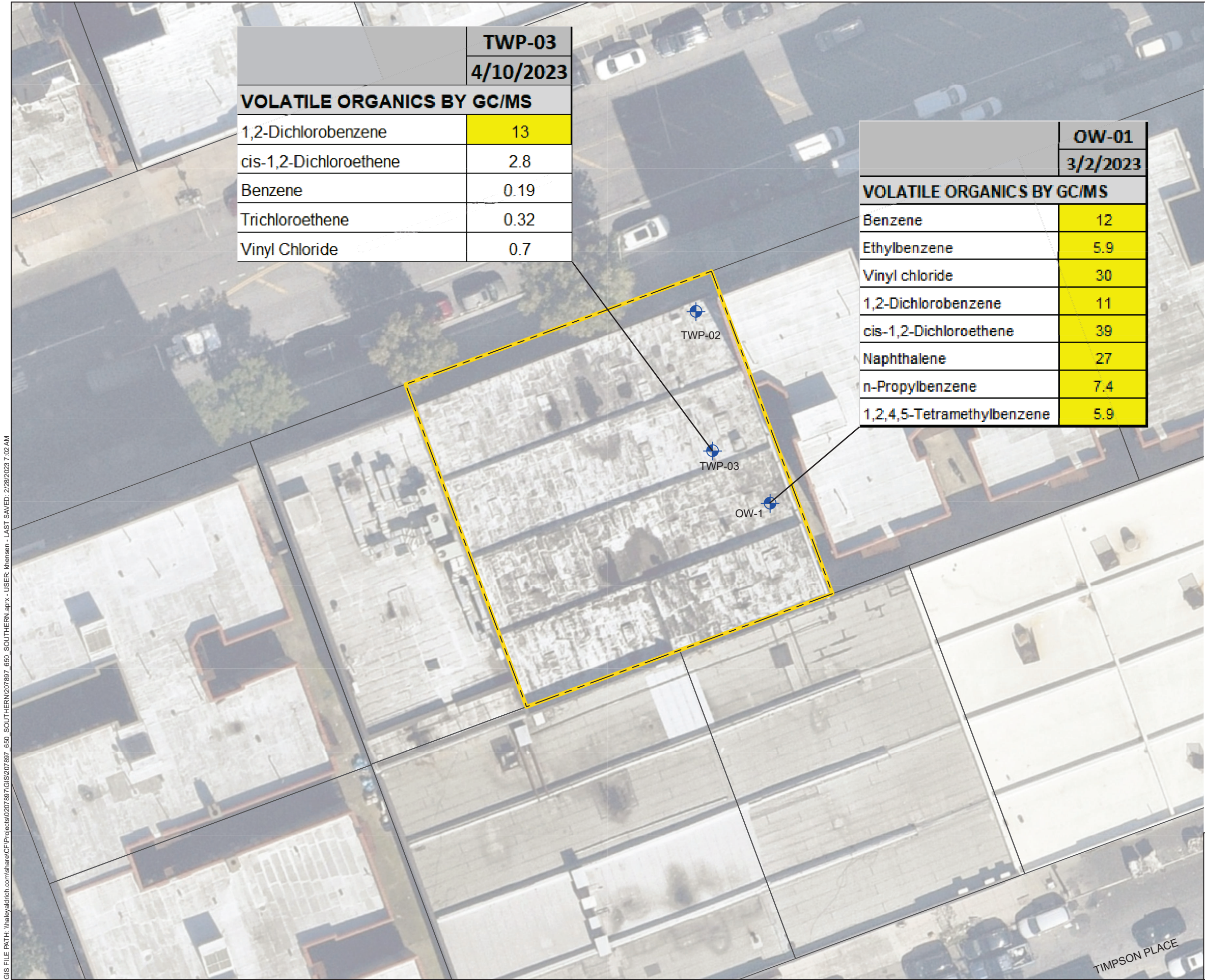
MARCH 2023

FIGURE 1

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LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- MONITORING WELL/TEMPORARY WELL POINT

Analyte	Units	NY-AWQS
VOLATILE ORGANICS BY GC/MS		
Benzene	ug/L	1
Ethylbenzene	ug/L	5.9
Vinyl chloride	ug/L	2
1,2-Dichlorobenzene	ug/L	3
cis-1,2-Dichloroethene	ug/L	5
Naphthalene	ug/L	10
n-Propylbenzene	ug/L	5
1,2,4,5-Tetramethylbenzene	ug/L	5
Trichloroethene	ug/L	5

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- NY-AWQS = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS)
- GROUNDWATER ANALYTICAL RESULTS ARE COMPARED TO THE NY-AWQS. EXCEEDANCES OF THE NY-AWQS ARE SHADED YELLOW.
- ASSESSOR PARCEL DATA SOURCE: NYC DEPARTMENT OF CITY PLANNING
- AERIAL IMAGERY SOURCE: NEARMAP, 27 SEPTEMBER 2022



0 30 60
SCALE IN FEET

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ALDRICH

650 SOUTHERN BOULEVARD
BRONX, NEW YORK

MAP OF GROUNDWATER CHEMISTRY

MARCH 2023

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0207897\GIS\0207897_650_SOUTHERN.aprx - USER: khansen - LAST SAVED: 2/28/2023 7:02 AM

	SG-02
	3/2/2023
Volatile Organic Compounds	
Dichlorodifluoromethane	2.64
Ethanol	95
Acetone	32.5
Trichlorofluoromethane	1.94
Isopropanol	14.6
Tertiary butyl Alcohol	23.5
Carbon disulfide	4.05
2-Butanone	10.1
Ethyl Acetate	4.29
Chloroform	12.3
n-Hexane	10.4
Benzene	3.09
Cyclohexane	5.61
Heptane	2.33
Toluene	9.91
Tetrachloroethene	3.67
Ethylbenzene	2.18
Total Xylenes	10.32

	SV-01
	4/5/2023
Volatile Organic Compounds	
Dichlorodifluoromethane	2.34
Chloromethane	0.496
1,3-Butadiene	3.25
Ethanol	40.9
Acetone	222
Trichlorofluoromethane	1.29
Isopropanol	14
Tertiary butyl Alcohol	6.49
Carbon disulfide	13.9
2-Butanone	8.55
Chloroform	6.98
n-Hexane	7.4
Benzene	2.84
Cyclohexane	3.13
Trichloroethene	1.27
2,2,4-Trimethylpentane	4.53
Heptane	10.1
4-Methyl-2-pentanone	3.48
Toluene	36.7
2-Hexanone	1.84
Tetrachloroethene	8.14
Ethylbenzene	25.1
p/m-Xylene	110
o-Xylene	105
4-Ethyltoluene	24
1,3,5-Trimethylbenzene	39.5
1,2,4-Trimethylbenzene	168

	SV-02
	4/5/2023
Volatile Organic Compounds	
Dichlorodifluoromethane	2.45
Chloromethane	0.562
1,3-Butadiene	3.32
Ethanol	16.6
Acetone	375
Trichlorofluoromethane	1.52
Isopropanol	3.74
Tertiary butyl Alcohol	6.67
Carbon disulfide	31.5
2-Butanone	33.3
Chloroform	5.08
Tetrahydrofuran	1.97
n-Hexane	4.62
Benzene	3.39
Cyclohexane	4.47
Bromodichloromethane	3.64
2,2,4-Trimethylpentane	4.04
Heptane	5.04
4-Methyl-2-pentanone	4.3
Toluene	33.8
2-Hexanone	14.3
Tetrachloroethene	7.26
Ethylbenzene	18.1
p/m-Xylene	79.5
o-Xylene	99
4-Ethyltoluene	21.1
1,3,5-Trimethylbenzene	72.8
1,2,4-Trimethylbenzene	265

	SG-01
	3/2/2023
Volatile Organic Compounds	
Dichlorodifluoromethane	2.5
Ethanol	47.1
Acetone	11.7
Trichlorofluoromethane	1.28
Isopropanol	7.87
Tertiary butyl Alcohol	5.91
Carbon disulfide	0.645
2-Butanone	5.96
Ethyl Acetate	4.76
n-Hexane	6.91
Benzene	2.46
Cyclohexane	1.65
2,2,4-Trimethylpentane	1.68
Heptane	2.5
Toluene	7.88
Ethylbenzene	1.94
Total Xylenes	10.25

LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

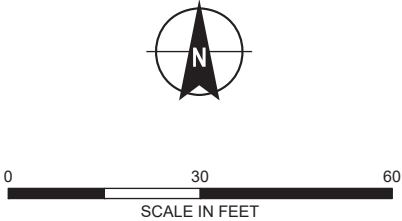
SG-01

 SUB-SLAB SOIL VAPOR SAMPLE POINT

SV-01

 SOIL VAPOR SAMPLE POINT

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



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650 SOUTHERN BOULEVARD
BRONX, NEW YORK

MAP OF SOIL VAPOR CHEMISTRY

MARCH 2023

FIGURE 4

ATTACHMENT A
Geophysical Engineering Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Property
650 Southern Boulevard,
Bronx, New York 10455

NOVA PROJECT NUMBER:
23-3068

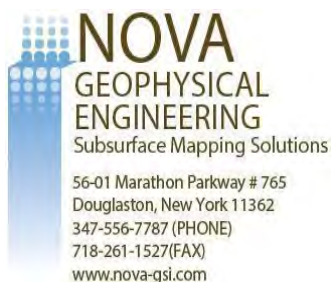
DATED:
March 6, 2023

PREPARED FOR:



237 West 35th Street, 16th Floor
New York, NY 10123
www.haleyaldrich.com

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

Subsurface Mapping Solutions

56-01 Marathon Parkway, # 765, Douglaston, NY 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

March 6, 2023

Suzanne M. Bell, P.E. (AZ, NY)
Senior Project Manager
Haley & Aldrich of New York
237 West 35th Street, 16th Floor
New York, NY 10123
T: (602) 760-2435 C: (480) 261-0004
Email: SBell@HaleyAldrich.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Property
650 Southern Boulevard,
Bronx, New York 10455

Dear Ms. Bell;

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 650 Southern Boulevard, New York, New York (the "Site")

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs) and other substructures in the vicinity of proposed boring locations on February 28th, 2023.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter

electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

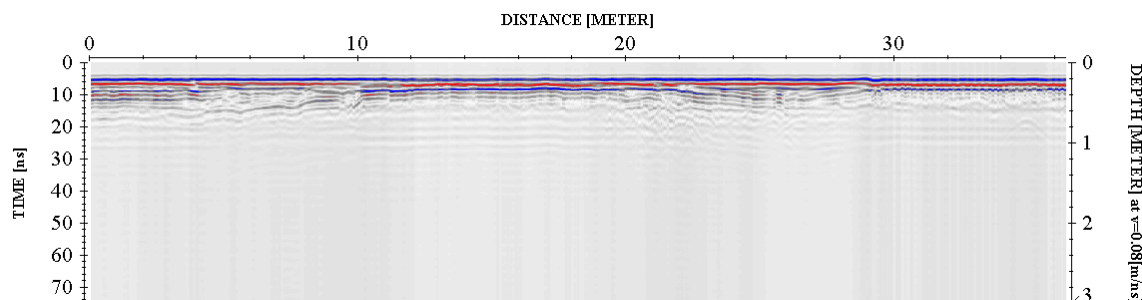
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

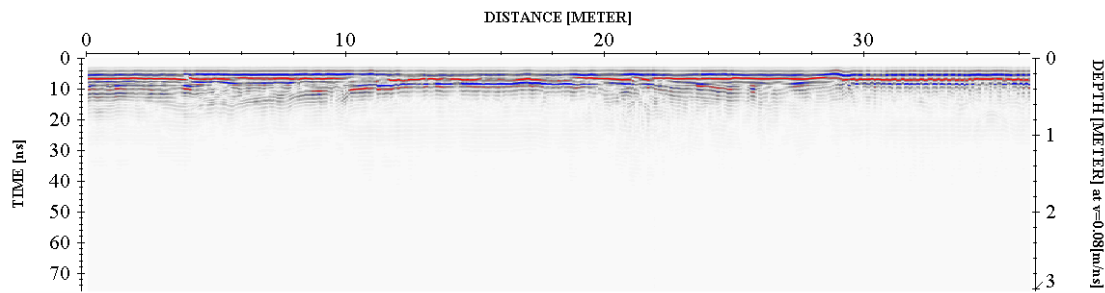
DATA PROCESSING

To improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

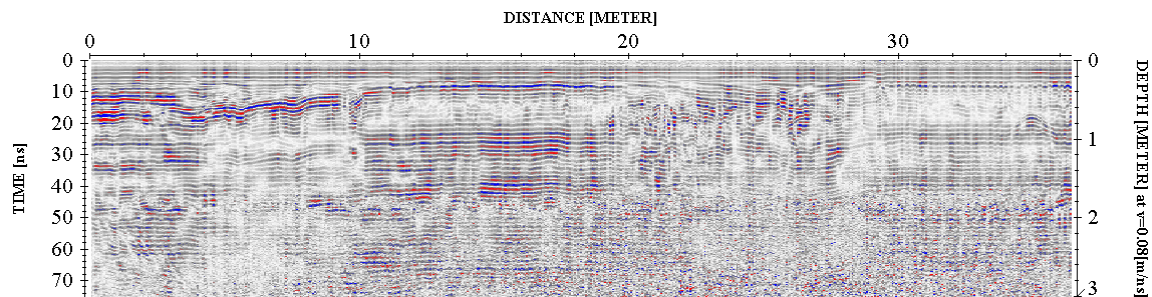
Step 1. Import Raw RAMAC data to standard processing format



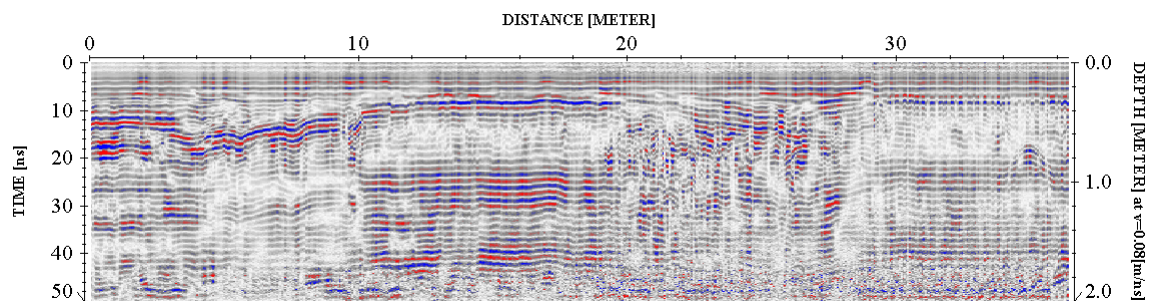
Step 2. Remove instrument noise (*dewow*)



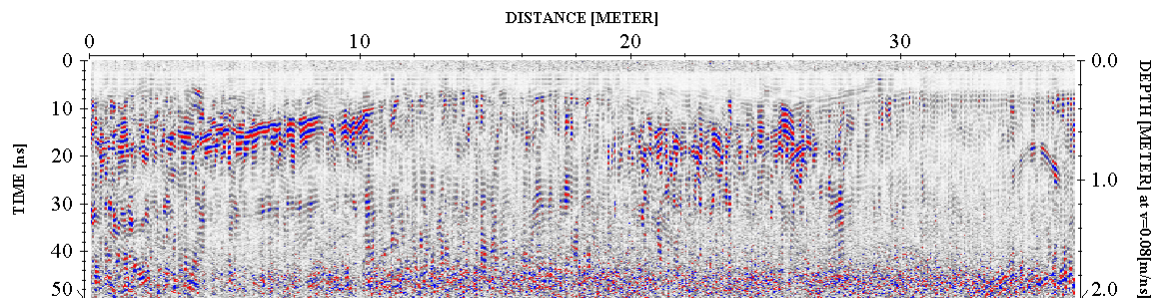
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Overcast

Temperature: 40° F

Surface: Concrete, Turf, Paving Bricks, Soil

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 2'. Additional GPR data was collected over features of interest. An EM utility locator was used in conjunction with GPR throughout the survey area.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment and other unknown anthropogenic noise sources.

RESULTS

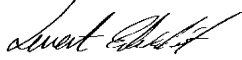
The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as sewer) were identified within the surveyed areas. The approximate locations are shown in the survey plan.
- No large geophysical anomalies resembling a potential underground storage tank (UST) were identified during the GES.
- All cleared boring locations were marked in the onsite mark out.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

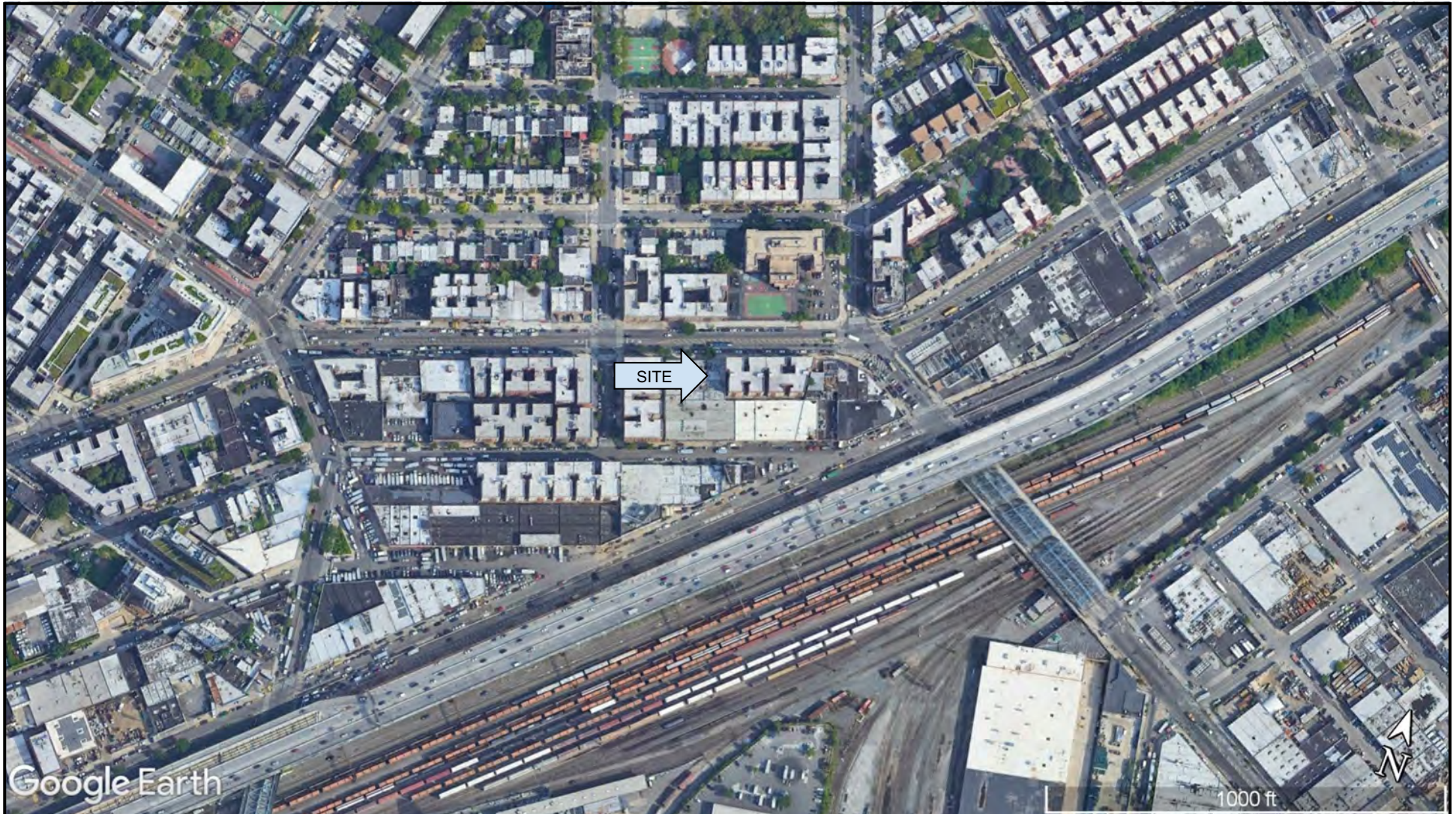
Project Manager

Attachments:

Location Map

Survey Plan

Geophysical Images



Location Map		LEGEND
NOVA Geophysical Services Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.novagsi.com	SITE:	Commercial Site 650 Southern Boulevard, Bronx, New York 10455
	CLIENT:	Haley & Aldrich
	DATE:	February 28 th , 2023
	AUTH:	Chris Steinley



NOVA Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Parkway, # 765

Douglaston, New York 11362

Phone (347) 556-7787 * Fax (718) 261-1527

www.novagsi.com

SURVEY PLAN

SITE: **Commercial Site**
650 Southern Boulevard,
Bronx, New York 10455

CLIENT: Haley & Aldrich

DATE: February 28th, 2023

AUTH: Chris Steinley

LEGEND

Survey Area

/ Sewer

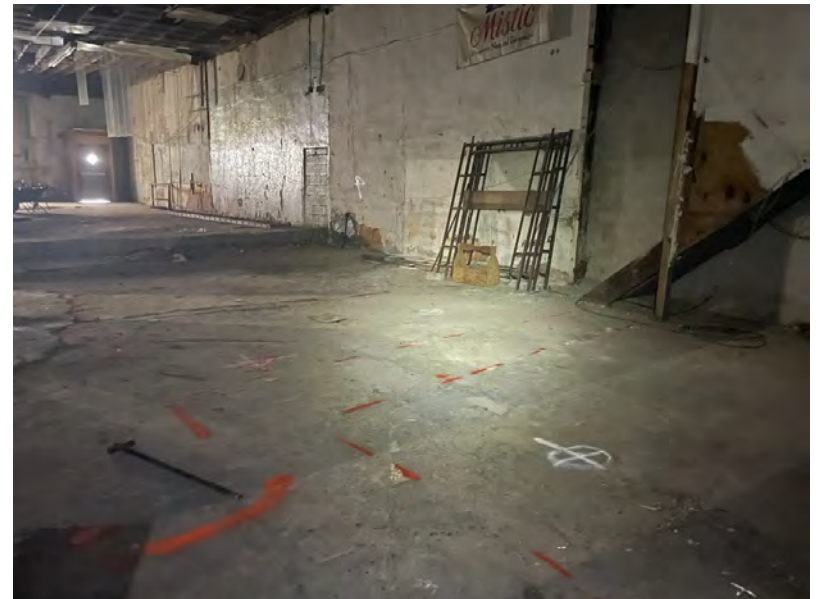
*Dashed lines could not be confirmed during the GES

GEOPHYSICAL IMAGES

Commercial Site

650 Southern Boulevard,
Bronx, New York 10455

February 28th, 2023



GEOPHYSICAL IMAGES

Commercial Site

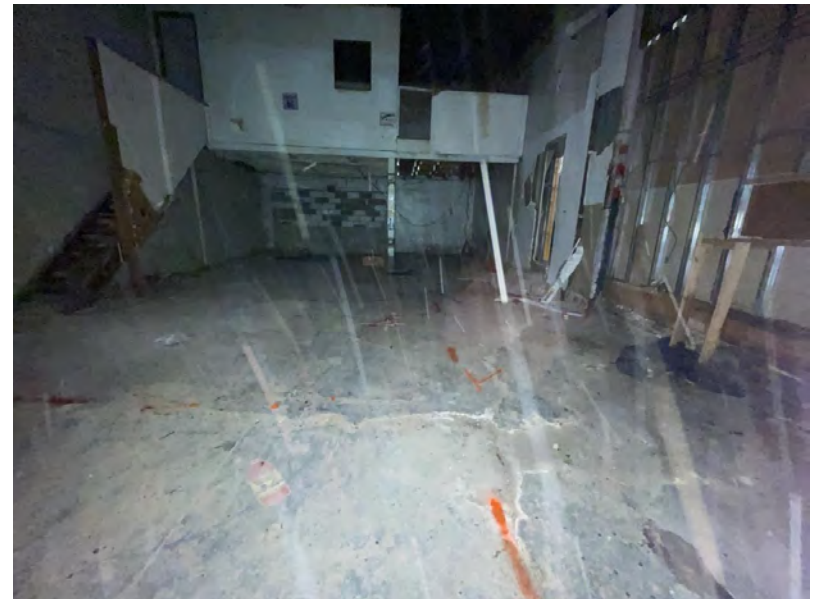
650 Southern Boulevard,
Bronx, New York 10455

February 28th, 2023



GEOPHYSICAL IMAGES

Commercial Site
650 Southern Boulevard,
Bronx, New York 10455
February 28th, 2023



GEOPHYSICAL IMAGES

Commercial Site

650 Southern Boulevard,
Bronx, New York 10455
February 28th, 2023



GEOPHYSICAL IMAGES

Commercial Site

650 Southern Boulevard,
Bronx, New York 10455

February 28th, 2023



ATTACHMENT B
Soil Boring Logs

 GEOPROBE BORING REPORT										BORING NO. SB-02	
PROJECT 650 Southern Blvd LOCATION 650 Southern Blvd, The Bronx, New York CLIENT ACI C/O Prospect Developers II CONTRACTOR Lakewood Environmental Services DRILLER T. Kelly Project No. 0207897 PROJECT MGR. S Bell FIELD REP. N Manzione DATE STARTED 2/28/2023 DATE FINISHED 2/28/2023										Page 1 of 1	
Elevation		ft.		Datum		Boring Location		See Plan			
Item	Casing	Sampler	Core Barrel	Rig Make & Model		Power Probe 9100 P		Hammer Type	Drilling Mud		
Type				☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☐ Geoprobe ☐ Winch ☒ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Other ☒ Cutting Head		☐ Safety ☐ Bentonite ☐ Doughnut ☐ Polymer ☐ Automatic ☒ None		Casing Advance			
Inside Diameter (in.)								Type Method Depth			
Hammer Weight (lb.)								Direct Push			
Hammer Fall (in.)								Drilling Notes:			
Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)						
0		0.0	SB-2 (0-2')	0-2'	0-4" Concrete 4"-2' Dense, brown fine silty SAND, brick, pebbles, concrete (FILL)						
1	24/24	0.0									
2		0.0			2-4' Dense, brown fine silty SAND, trace weathered rock, trace pebbles						
3	24/24	0.0									
4		0.0			4-6' SAA						
5	24/24	0.0									
6		0.0	SB02_ (6-8')	6-8'	6-7.5' SAA						
7	24/24	0.0			7.5-8' Dense, brown fine silty SAND, some clay, more evidence of weathered rock, cobbles in shoe						
8					END OF BORING AT 8 FT						
Water Level Data					Sample ID		Summary				
Date	Time	Elapsed Time (hr.)	Depth in feet to:		O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.) 8					
			Bottom of Casing	Bottom of Hole		Water	Rock Cored (Linear ft.) -				
							Number of Samples 2				
							BORING NO. SB-02				
*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. SB-03 Page 1 of 1									
PROJECT		650 Southern Blvd				Project No.		0207897	
LOCATION		650 Southern Blvd, The Bronx, New York				PROJECT MGR.		S Bell	
CLIENT		ACI C/O Prospect Developers II				FIELD REP.		N Manzione	
CONTRACTOR		Lakewood Environmental Services				DATE STARTED		2/28/2023	
DRILLER		T. Kelly				DATE FINISHED		2/28/2023	
Elevation		ft.		Datum		Boring Location See Plan			
Item	Casing	Sampler	Core Barrel	Rig Make & Model		Power Probe 9100 P		Hammer Type	Drilling Mud
Type				☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☐ Geoprobe ☐ Winch ☒ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☒ Other ☒ Cutting Head		☐ Safety ☐ Bentonite ☐ Doughnut ☐ Polymer ☐ Automatic ☒ None		Casing Advance	
Inside Diameter (in.)									Type Method Depth
Hammer Weight (lb.)									Direct Push
Hammer Fall (in.)								Drilling Notes:	
Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)				
0		0.0	SB-3 (0-2')	0-2'	0-0.5' Concrete 0.5-2' Dense, brown fine silty SAND, trace clay, some concrete, some brick (FILL)				
1	24/24	0.0							
2		0.0			2-4' Dense, brown fine silty SAND, trace clay, trace weathered rock				
3	24/24	0.0							
4									
5									
6					Rod Lost at 8' where refusal occurred, boring not characterized				
7									
8					END OF BORING AT 8 FT				
Water Level Data					Sample ID		Summary		
Date	Time	Elapsed Time (hr.)	Depth in feet to:		O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe	Overburden (Linear ft.) 8			
			Bottom of Casing	Bottom of Hole		Water	Rock Cored (Linear ft.) -		
							Number of Samples 1		
							BORING NO. SB-03		
*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.

SB-06

Page 1 of 1

PROJECT 650 Southern Boulevard

LOCATION 650 Southern Boulevard, Bronx, NY

CLIENT Prospect Developers II

CONTRACTOR Lakewood Environmental Services, Corp.

DRILLER Adam

0207897

PROJECT MGR. S. Bell

FIELD REP. P. DiNardo & N. Manzione

DATE STARTED 3/16/2023

DATE FINISHED 3/16/2023

Elevation	ft.	Datum	Boring Location	See Plan
Item	Casing	Sampler	Core Barrel	Rig Make & Model
Type	Steel	Macrocore		☐ Truck ☐ Tripod ☐ Cat-Head
Inside Diameter (in.)	2-in			☐ ATV ☐ Geoprobe ☐ Winch
Hammer Weight (lb.)	Macrocore			☐ Track ☐ Air Track ☐ Roller Bit
Hammer Fall (in.)	NA			☐ Skid ☒ Other ☐ Cutting Head
Hammer Type				
Safety ☐ Doughnut ☐ Automatic ☐				
Drilling Mud				
Bentonite ☐ Polymer ☐ None ☒				
Casing Advance				
Type Method Depth				
Direct push				
Drilling Notes:				

Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.1			0-1' Dark brown SAND coarse grain, loose to medium pack, no odor, dry
1	12/24		SB06	0-2'	1-2.5' Tan brown SAND coarse grain, loose to medium pack, no odor, dry
2		12.2			
3	20/24	12.4			2.5-4' Medium brown silty SAND coarse grain, loose to medium pack, trace organic matter, trace weathered bedrock
4		5.7			
4		4.5	SB06	4-6'	4-6' Medium brown silty SAND medium to fine grain, medium pack, organic odor, dry, trace organics, trace weathered bedrock
5	24/24				
5		0.5			
6		0.5			
6					END OF BORING AT 6 FT
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Water Level Data						Sample ID		Summary	
Depth in feet to:						O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe		Overburden (Linear ft.)	6
Date	Time	Elapsed Time (hr.)	Bottom of Casing	Bottom of Hole	Water			Rock Cored (Linear ft.)	
Date								Number of Samples	2
								BORING NO.	SB-06

*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. SB-07	
Page 1 of 1											
PROJECT		650 Southern Boulevard						PROJECT MGR.		0207897	
LOCATION		650 Southern Boulevard, Bronx, NY						FIELD REP.		S. Bell	
CLIENT		Prospect Developers II						DATE STARTED		3/23/2023	
CONTRACTOR		Lakewood Environmental Services, Corp.						DATE FINISHED		3/23/2023	
DRILLER		Adam									

Elevation		ft.		Datum		Boring Location		See Plan			
Item	Casing	Sampler	Core Barrel	Rig Make & Model			S4DT		Hammer Type	Drilling Mud	Casing Advance
Type	Steel	Macrocore		☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)	2-in			☐ AT\	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer			
Hammer Weight (lb.)	Macrocore			☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☒ None	Direct push		
Hammer Fall (in.)	NA			☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:				

Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description
					(density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			0-2' Dark brown silty SAND medium to coarse grain, medium pack, trace coarse gravel, trace organics, no odor, dry
1			SB07	0-2'	
2	32/48	0.0			2-3' Medium brown silty SAND medium to coarse grain, medium pack, trace coarse gravel, trace organics, no odor, dry
3		0.0			3-4' SAA with weathered bedrock
4					4-6' Tan brown silty SAND fine to medium grain, medium pack, no odor, dry, weathered bedrock
5	24/48	0.0	SB07	4-6'	
6					END OF BORING AT 6 FT
7					
8					
9					
10					

Water Level Data						Sample ID		Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod	T Thin Wall Tube	Overburden (Linear ft.)	6
			Bottom of Casing	Bottom of Hole	Water			Rock Cored (Linear ft.)	
Date						U Undisturbed Sample <td></td> <th>Number of Samples</th> <th>2</th>		Number of Samples	2
						S Split Spoon Sample <td></td> <td colspan="2" rowspan="2">BORING NO. SB-07</td>		BORING NO. SB-07	
						G Geoprobe			

*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. SB-08 Page 1 of 1											
PROJECT		650 Southern Boulevard						PROJECT MGR.		0207897	
LOCATION		650 Southern Boulevard, Bronx, NY						FIELD REP.		P. DiNardo & E. Nunez	
CLIENT		Prospect Developers II						DATE STARTED		3/23/2023	
CONTRACTOR		Lakewood Environmental Services, Corp.						DATE FINISHED		3/23/2023	
DRILLER		Adam									

Elevation		ft.		Datum		Boring Location		See Plan			
Item	Casing	Sampler	Core Barrel	Rig Make & Model		S4DT		Hammer Type	Drilling Mud	Casing Advance	
Type	Steel	Macrocore		☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)	2-in			☐ AT\	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	Direct push		
Hammer Weight (lb.)	Macrocore			☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☒ None			
Hammer Fall (in.)	NA			☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:				

Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			0-4' Dark brown SAND coarse grain, medium pack, mixed gravel
1		0.0	SB08	0-2'	
2	24/48				
3		0.0			
4		0.0			4-5.5' Dark brown and reddish brown SAND, coarse grain, medium pack, no odor, dry, mixed gravel
5	30/48	0.0			
6		0.0	SB08	5-7'	5.5-7' Dark brown & tan brown SAND, coarse grain, medium pack, no odor, dry, mixed gravel, weathered bedrock
7		0.0			
8					END OF BORING AT 7 FT
9					
10					

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

Overburden (Linear ft.) 7

Rock Cored (Linear ft.)

Number of Samples 2

BORING NO. **SB-08**

*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.

<b style="font-size: 1.2em;">GEOPROBE BORING REPORT										BORING NO. SB-09	
										Page 1 of 1	
PROJECT		650 Southern Boulevard						PROJECT MGR.		0207897	
LOCATION		650 Southern Boulevard, Bronx, NY						FIELD REP.		P. DiNardo & E. Nunez	
CLIENT		Prospect Developers II						DATE STARTED		3/23/2023	
CONTRACTOR		Lakewood Environmental Services, Corp.						DATE FINISHED		3/23/2023	
DRILLER		Adam									

Elevation		ft.		Datum		Boring Location		See Plan			
Item	Casing	Sampler	Core Barrel	Rig Make & Model		S4DT		Hammer Type	Drilling Mud	Casing Advance	
Type	Steel	Macrocore		☐ Truck	☐ Tripod	☐ Cat-Head	☐ Safety	☐ Bentonite	Type Method Depth		
Inside Diameter (in.)	2-in			☐ AT\	☒ Geoprobe	☐ Winch	☐ Doughnut	☐ Polymer	Direct push		
Hammer Weight (lb.)	Macrocore			☒ Track	☐ Air Track	☐ Roller Bit	☐ Automatic	☒ None			
Hammer Fall (in.)	NA			☐ Skid	☐ Other	☐ Cutting Head	Drilling Notes:				

Depth (ft.)	Recovery (in/total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			0-1' Medium brown silty SAND medium grain, medium pack, no odor, dry, fine gravel
1			SB09	0-2'	
2	36/48	0.0			1-3' Medium brown silty SAND medium grain, medium pack, no odor, dry
3		0.0			
4					
5		0.0			4-6' Dark brown sandy SILT medium pack, fine to medium grain, no odor, dry, trace coarse gravel
6	48/48	0.0	SB09	5-7'	
7					6-6.5' Tan brown SAND coarse grain, medium pack with coarse metamorphic rock
8		0.0			6.5-7.5' Dark brown sandy SILT, medium grain, medium to hard pack, metamorphic rock, trace weathered bedrock
9					7.5-8' Weathered bedrock
10					END OF BORING AT 8 FT

Water Level Data						Sample ID		Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod	T Thin Wall Tube	Overburden (Linear ft.)	8
			Bottom of Casing	Bottom of Hole	Water			Rock Cored (Linear ft.)	
Date						U Undisturbed Sample <td></td> <th>Number of Samples</th> <th>2</th>		Number of Samples	2
						S Split Spoon Sample <td></td> <td colspan="2"></td>			
						G Geoprobe <td></td> <td colspan="2"></td>			

*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.

SB-10

Page 1 of 1

PROJECT	650 Southern Boulevard	PROJECT MGR.	0207897
LOCATION	650 Southern Boulevard, Bronx, NY	FIELD REP.	S. Bell
CLIENT	Prospect Developers II	DATE STARTED	3/23/2023
CONTRACTOR	Lakewood Environmental Services, Corp.	DATE FINISHED	3/23/2023
DRILLER	Adam		

Elevation	ft.	Datum	Boring Location	See Plan
Item	Casing	Sampler	Core Barrel	Rig Make & Model
Type	Steel	Macrocore		54DT
Inside Diameter (in.)	2-in			☐ Truck ☐ Tripod ☐ Cat-Head
Hammer Weight (lb.)	Macrocore			☐ AT\ ☒ Geoprobe ☐ Winch
Hammer Fall (in.)	NA			☒ Track ☐ Air Track ☐ Roller Bit
				☐ Skid ☐ Other ☐ Cutting Head
				Drilling Notes:

Depth (ft.)	Recovery (in/ total)	PID (ppm)	Sample ID	Sample Depth (ft)	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)
0		0.0			0-3.5' Dark brown silty SAND medium grain, medium pack, no odor, dry, trace organics, weathered bedrock, and fine gravel
1		0.0	SB10	0-2'	
2	48/48				
3		0.0			
4		0.0			3.5-5' Medium brown silty SAND medium grain, medium pack, no odor, dry, trace organics/weathered bedrock/fine gravel
5		0.0			
6	36/48	0.0	SB10	5-7'	5-7' Tan brown to dark brown SAND medium grain, no odor, dry, weathered bedrock
7					
8					END OF BORING AT 7 FT
9					
10					

Water Level Data						Sample ID		Summary	
Date	Time	Elapsed Time (hr.)	Depth in feet to:			O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon Sample G Geoprobe		Overburden (Linear ft.)	7
			Bottom of Casing	Bottom of Hole	Water			Rock Cored (Linear ft.)	
Date								Number of Samples	2
BORING NO.									SB-10

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

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

APPENDIX C

Temporary Monitoring Well Purge Logs

OBSERVATION WELL INSTALLATION REPORT		Well No. OW-1	
		Boring No. HA-1	
PROJECT	650 SOUTHERN BOULEVARD PROPOSED DEVELOPMENT	H&A FILE NO.	0207897-000
LOCATION	650 SOUTHERN BOULEVARD , BRONX NY	PROJECT MGR.	J. DELIMITROS
CLIENT	ACI C/O PROSPECT DEVELOPERS II	FIELD REP.	Z. SIMMEL
CONTRACTOR	LAKEWOOD ENVIORNMETAL SERVICES, INC	DATE INSTALLED	3/1/2023
DRILLER	TIM KELLY	WATER LEVEL	10.56'

Ground El. _____ ft	Location <u>See Plan</u>	☐ Guard Pipe ☒ Roadway Box
El. Datum <u>NAVD 88</u>		

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
0.0	0.0
	Concrete
	1.0
	Soil Cuttings
	6.0
	Bentonite
	8.0
	Filter Sand
20	20

Type of protective cover/lock: 8 ft

Height/Depth of top of guard pipe/roadway box above/below ground surface Flushmount ft

Height/Depth of top of riser pipe above/below ground surface 0.0 ft

Type of protective casing: NA

Length NA ft
 Inside Diameter NA in

Depth of bottom of guard pipe/roadway box 8.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	1.0
Soil Cuttings	1.0	5.0
Bentonite Seal	6.0	2.0
#2 Filter Sand	8.0	12.0

Type of riser pipe: Scheduled 40 PVC
 Inside diameter of riser pipe 2.0 in
 Type of backfill around riser Quartz Filtration Media

Diameter of borehole 4.0 in

Depth to top of well screen 10.0 ft

Type of screen Scheduled 40 PVC
 Screen gauge or size of openings 0.020 in
 Diameter of screen 2.0 in

Type of backfill around screen Quartz Filtration Media

Depth of bottom of well screen 20.0 ft

Bottom of Silt trap 0.0 ft

Depth of bottom of borehole 20.0 ft

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

(Not to Scale)

10	ft	+	10	ft	+	0	ft	=	20	ft
Riser Pay Length (L1)			Length of screen (L2)			Length of silt trap (L3)			Pay length	

COMMENTS: _____

ATTACHMENT D
Analytical Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2310486
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BOULEVARD
Project Number:	0207897
Report Date:	03/07/23

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

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



Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2310486-01	HA-1 (10-12')	SOIL	650 SOUTHERN BLVD, BRONX, NY	02/28/23 13:10	02/28/23
L2310486-02	SB01 (0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	02/28/23 13:30	02/28/23

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

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.

Semivolatile Organics

L2310486-02D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1749782-2/-3 LCS/LCSD recoveries, associated with L2310486-01 and -02D, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2310486-01 and -02: 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:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/07/23

ORGANICS

VOLATILES

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-01
 Client ID: HA-1 (10-12')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:10
 Date Received: 02/28/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/03/23 15:44
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	56	8.2	1
Chloroform	ND		ug/kg	84	7.9	1
Carbon tetrachloride	ND		ug/kg	56	13.	1
1,2-Dichloropropane	ND		ug/kg	56	7.0	1
Dibromochloromethane	ND		ug/kg	56	7.9	1
1,1,2-Trichloroethane	ND		ug/kg	56	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.2	1
Trichlorofluoromethane	ND		ug/kg	220	39.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.4	1
Bromodichloromethane	ND		ug/kg	28	6.1	1
trans-1,3-Dichloropropene	ND		ug/kg	56	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.9	1
1,3-Dichloropropene, Total	ND		ug/kg	28	8.9	1
1,1-Dichloropropene	ND		ug/kg	28	9.0	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.4	1
Benzene	ND		ug/kg	28	9.4	1
Toluene	ND		ug/kg	56	31.	1
Ethylbenzene	370		ug/kg	56	7.9	1
Chloromethane	ND		ug/kg	220	52.	1
Bromomethane	ND		ug/kg	110	33.	1
Vinyl chloride	ND		ug/kg	56	19.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	56	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	84	7.7	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-01**Date Collected:** 02/28/23 13:10**Client ID:** HA-1 (10-12')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.7	1
1,2-Dichlorobenzene	42	J	ug/kg	110	8.1	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.3	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.6	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	200		ug/kg	110	32.	1
o-Xylene	48	J	ug/kg	56	16.	1
Xylenes, Total	250	J	ug/kg	56	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	56	9.9	1
1,2-Dichloroethene, Total	ND		ug/kg	56	7.7	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	56	11.	1
Dichlorodifluoromethane	ND		ug/kg	560	52.	1
Acetone	ND		ug/kg	560	270	1
Carbon disulfide	ND		ug/kg	560	260	1
2-Butanone	ND		ug/kg	560	120	1
Vinyl acetate	ND		ug/kg	560	120	1
4-Methyl-2-pentanone	ND		ug/kg	560	72.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.2	1
2-Hexanone	ND		ug/kg	560	66.	1
Bromochloromethane	ND		ug/kg	110	12.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	56	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.4	1
Bromobenzene	ND		ug/kg	110	8.2	1
n-Butylbenzene	460		ug/kg	56	9.4	1
sec-Butylbenzene	200		ug/kg	56	8.2	1
tert-Butylbenzene	8.6	J	ug/kg	110	6.6	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	56.	1
Hexachlorobutadiene	ND		ug/kg	220	9.5	1
Isopropylbenzene	230		ug/kg	56	6.1	1
p-Isopropyltoluene	220		ug/kg	56	6.1	1
Naphthalene	3400		ug/kg	220	37.	1
Acrylonitrile	ND		ug/kg	220	65.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-01**Date Collected:** 02/28/23 13:10**Client ID:** HA-1 (10-12')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	800		ug/kg	56	9.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	360		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	1800		ug/kg	110	19.	1
1,4-Dioxane	ND		ug/kg	4500	2000	1
p-Diethylbenzene	310		ug/kg	110	10.	1
p-Ethyltoluene	860		ug/kg	110	22.	1
1,2,4,5-Tetramethylbenzene	1500		ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	80.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	84		70-130

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-02
 Client ID: SB01 (0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:30
 Date Received: 02/28/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/03/23 15:18
 Analyst: AJK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	5.7		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-02**Date Collected:** 02/28/23 13:30**Client ID:** SB01 (0-2')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.58	J	ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	1.1	J	ug/kg	2.6	0.72	1
o-Xylene	1.0	J	ug/kg	1.3	0.37	1
Xylenes, Total	2.1	J	ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	0.57	J	ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	0.57	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	2.0	J	ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-02**Date Collected:** 02/28/23 13:30**Client ID:** SB01 (0-2')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
1,4-Dioxane	ND		ug/kg	100	45.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 13:59
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751279-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 13:59
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751279-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/03/23 13:59
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751279-5					
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	1.6	J	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	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 13:59
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1751306-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 13:59
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1751306-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/03/23 13:59
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1751306-5					
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	78	J	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	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751279-3 WG1751279-4								
Methylene chloride	78		77		70-130	1		30
1,1-Dichloroethane	75		72		70-130	4		30
Chloroform	79		77		70-130	3		30
Carbon tetrachloride	87		84		70-130	4		30
1,2-Dichloropropane	81		81		70-130	0		30
Dibromochloromethane	95		94		70-130	1		30
1,1,2-Trichloroethane	85		84		70-130	1		30
Tetrachloroethene	99		93		70-130	6		30
Chlorobenzene	91		88		70-130	3		30
Trichlorofluoromethane	89		84		70-139	6		30
1,2-Dichloroethane	77		77		70-130	0		30
1,1,1-Trichloroethane	84		81		70-130	4		30
Bromodichloromethane	83		80		70-130	4		30
trans-1,3-Dichloropropene	90		89		70-130	1		30
cis-1,3-Dichloropropene	82		81		70-130	1		30
1,1-Dichloropropene	76		72		70-130	5		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	78		79		70-130	1		30
Benzene	83		81		70-130	2		30
Toluene	87		83		70-130	5		30
Ethylbenzene	92		88		70-130	4		30
Chloromethane	65		62		52-130	5		30
Bromomethane	69		67		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751279-3 WG1751279-4								
Vinyl chloride	74		69		67-130	7		30
Chloroethane	76		73		50-151	4		30
1,1-Dichloroethene	80		77		65-135	4		30
trans-1,2-Dichloroethene	82		78		70-130	5		30
Trichloroethene	88		83		70-130	6		30
1,2-Dichlorobenzene	94		92		70-130	2		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	91		89		70-130	2		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	88		84		70-130	5		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	86		84		70-130	2		30
Dibromomethane	83		83		70-130	0		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	64		60		30-146	6		30
Acetone	73		73		54-140	0		30
Carbon disulfide	123		114		59-130	8		30
2-Butanone	84		80		70-130	5		30
Vinyl acetate	82		89		70-130	8		30
4-Methyl-2-pentanone	89		87		70-130	2		30
1,2,3-Trichloropropane	78		77		68-130	1		30
2-Hexanone	87		86		70-130	1		30
Bromochloromethane	88		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751279-3 WG1751279-4								
2,2-Dichloropropane	78		74		70-130	5		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	86		85		69-130	1		30
1,1,1,2-Tetrachloroethane	93		91		70-130	2		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	81		77		70-130	5		30
sec-Butylbenzene	84		80		70-130	5		30
tert-Butylbenzene	95		91		70-130	4		30
o-Chlorotoluene	88		86		70-130	2		30
p-Chlorotoluene	91		88		70-130	3		30
1,2-Dibromo-3-chloropropane	94		90		68-130	4		30
Hexachlorobutadiene	98		92		67-130	6		30
Isopropylbenzene	84		80		70-130	5		30
p-Isopropyltoluene	87		83		70-130	5		30
Naphthalene	92		89		70-130	3		30
Acrylonitrile	90		89		70-130	1		30
n-Propylbenzene	92		88		70-130	4		30
1,2,3-Trichlorobenzene	107		105		70-130	2		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	93		91		70-130	2		30
1,4-Dioxane	88		87		65-136	1		30
p-Diethylbenzene	96		92		70-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751279-3 WG1751279-4								
p-Ethyltoluene	93		90		70-130	3		30
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		30
Ethyl ether	87		87		67-130	0		30
trans-1,4-Dichloro-2-butene	85		84		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		80		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	92		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1751306-3 WG1751306-4								
Methylene chloride	78		77		70-130	1		30
1,1-Dichloroethane	75		72		70-130	4		30
Chloroform	79		77		70-130	3		30
Carbon tetrachloride	87		84		70-130	4		30
1,2-Dichloropropane	81		81		70-130	0		30
Dibromochloromethane	95		94		70-130	1		30
1,1,2-Trichloroethane	85		84		70-130	1		30
Tetrachloroethene	99		93		70-130	6		30
Chlorobenzene	91		88		70-130	3		30
Trichlorofluoromethane	89		84		70-139	6		30
1,2-Dichloroethane	77		77		70-130	0		30
1,1,1-Trichloroethane	84		81		70-130	4		30
Bromodichloromethane	83		80		70-130	4		30
trans-1,3-Dichloropropene	90		89		70-130	1		30
cis-1,3-Dichloropropene	82		81		70-130	1		30
1,1-Dichloropropene	76		72		70-130	5		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	78		79		70-130	1		30
Benzene	83		81		70-130	2		30
Toluene	87		83		70-130	5		30
Ethylbenzene	92		88		70-130	4		30
Chloromethane	65		62		52-130	5		30
Bromomethane	69		67		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1751306-3 WG1751306-4								
Vinyl chloride	74		69		67-130	7		30
Chloroethane	76		73		50-151	4		30
1,1-Dichloroethene	80		77		65-135	4		30
trans-1,2-Dichloroethene	82		78		70-130	5		30
Trichloroethene	88		83		70-130	6		30
1,2-Dichlorobenzene	94		92		70-130	2		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	91		89		70-130	2		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	88		84		70-130	5		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	86		84		70-130	2		30
Dibromomethane	83		83		70-130	0		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	64		60		30-146	6		30
Acetone	73		73		54-140	0		30
Carbon disulfide	123		114		59-130	8		30
2-Butanone	84		80		70-130	5		30
Vinyl acetate	82		89		70-130	8		30
4-Methyl-2-pentanone	89		87		70-130	2		30
1,2,3-Trichloropropane	78		77		68-130	1		30
2-Hexanone	87		86		70-130	1		30
Bromochloromethane	88		87		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310486

Project Number: 0207897

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1751306-3 WG1751306-4								
2,2-Dichloropropane	78		74		70-130	5		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	86		85		69-130	1		30
1,1,1,2-Tetrachloroethane	93		91		70-130	2		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	81		77		70-130	5		30
sec-Butylbenzene	84		80		70-130	5		30
tert-Butylbenzene	95		91		70-130	4		30
o-Chlorotoluene	88		86		70-130	2		30
p-Chlorotoluene	91		88		70-130	3		30
1,2-Dibromo-3-chloropropane	94		90		68-130	4		30
Hexachlorobutadiene	98		92		67-130	6		30
Isopropylbenzene	84		80		70-130	5		30
p-Isopropyltoluene	87		83		70-130	5		30
Naphthalene	92		89		70-130	3		30
Acrylonitrile	90		89		70-130	1		30
n-Propylbenzene	92		88		70-130	4		30
1,2,3-Trichlorobenzene	107		105		70-130	2		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	91		88		70-130	3		30
1,2,4-Trimethylbenzene	93		91		70-130	2		30
1,4-Dioxane	88		87		65-136	1		30
p-Diethylbenzene	96		92		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1751306-3 WG1751306-4								
p-Ethyltoluene	93		90		70-130	3		30
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		30
Ethyl ether	87		87		67-130	0		30
trans-1,4-Dichloro-2-butene	85		84		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		80		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	92		91		70-130

SEMIVOLATILES

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-01
 Client ID: HA-1 (10-12')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:10
 Date Received: 02/28/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/03/23 13:56
 Analyst: MG
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 03/01/23 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	34	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	1600		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-01**Date Collected:** 02/28/23 13:10**Client ID:** HA-1 (10-12')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	24	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	25	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	240		ug/kg	190	19.	1
Phenanthrene	260		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	44	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	6800		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-01**Date Collected:** 02/28/23 13:10**Client ID:** HA-1 (10-12')**Date Received:** 02/28/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	76		18-120

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-02 D
 Client ID: SB01 (0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:30
 Date Received: 02/28/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/07/23 06:48
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/01/23 07:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	270	J	ug/kg	730	95.	5
1,2,4-Trichlorobenzene	ND		ug/kg	920	100	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
1,2-Dichlorobenzene	ND		ug/kg	920	160	5
1,3-Dichlorobenzene	ND		ug/kg	920	160	5
1,4-Dichlorobenzene	ND		ug/kg	920	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	3200		ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	98.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	830	5
Hexachloroethane	ND		ug/kg	730	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	130	J	ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	730	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-02 D
 Client ID: SB01 (0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:30
 Date Received: 02/28/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	1500		ug/kg	550	100	5
Benzo(a)pyrene	1700		ug/kg	730	220	5
Benzo(b)fluoranthene	1600		ug/kg	550	150	5
Benzo(k)fluoranthene	630		ug/kg	550	150	5
Chrysene	1500		ug/kg	550	96.	5
Acenaphthylene	ND		ug/kg	730	140	5
Anthracene	620		ug/kg	550	180	5
Benzo(ghi)perylene	980		ug/kg	730	110	5
Fluorene	220	J	ug/kg	920	89.	5
Phenanthrene	3200		ug/kg	550	110	5
Dibenzo(a,h)anthracene	220	J	ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	970		ug/kg	730	130	5
Pyrene	3400		ug/kg	550	91.	5
Biphenyl	ND		ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	130	J	ug/kg	920	87.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	730	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-02 D
 Client ID: SB01 (0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 02/28/23 13:30
 Date Received: 02/28/23
 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	920	180	5
Benzoic Acid	ND		ug/kg	3000	930	5
Benzyl Alcohol	ND		ug/kg	920	280	5
Carbazole	200	J	ug/kg	920	89.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	35		10-136
4-Terphenyl-d14	41		18-120

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/03/23 09:44
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/01/23 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1749782-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	23	J	ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/03/23 09:44
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/01/23 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1749782-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	31	J	ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	32	J	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	21	J	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	38	J	ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/03/23 09:44
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/01/23 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1749782-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1749782-2 WG1749782-3								
Acenaphthene	69		66		31-137	4		50
1,2,4-Trichlorobenzene	68		65		38-107	5		50
Hexachlorobenzene	78		72		40-140	8		50
Bis(2-chloroethyl)ether	59		55		40-140	7		50
2-Chloronaphthalene	72		69		40-140	4		50
1,2-Dichlorobenzene	63		60		40-140	5		50
1,3-Dichlorobenzene	62		60		40-140	3		50
1,4-Dichlorobenzene	62		59		28-104	5		50
3,3'-Dichlorobenzidine	56		54		40-140	4		50
2,4-Dinitrotoluene	104		96		40-132	8		50
2,6-Dinitrotoluene	98		91		40-140	7		50
Fluoranthene	77		73		40-140	5		50
4-Chlorophenyl phenyl ether	75		70		40-140	7		50
4-Bromophenyl phenyl ether	78		72		40-140	8		50
Bis(2-chloroisopropyl)ether	46		43		40-140	7		50
Bis(2-chloroethoxy)methane	64		60		40-117	6		50
Hexachlorobutadiene	71		68		40-140	4		50
Hexachlorocyclopentadiene	79		76		40-140	4		50
Hexachloroethane	64		60		40-140	6		50
Isophorone	60		57		40-140	5		50
Naphthalene	66		63		40-140	5		50
Nitrobenzene	64		59		40-140	8		50
NDPA/DPA	76		70		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1749782-2 WG1749782-3								
n-Nitrosodi-n-propylamine	60		57		32-121	5		50
Bis(2-ethylhexyl)phthalate	85		81		40-140	5		50
Butyl benzyl phthalate	86		80		40-140	7		50
Di-n-butylphthalate	81		77		40-140	5		50
Di-n-octylphthalate	92		86		40-140	7		50
Diethyl phthalate	77		71		40-140	8		50
Dimethyl phthalate	79		75		40-140	5		50
Benzo(a)anthracene	77		73		40-140	5		50
Benzo(a)pyrene	82		77		40-140	6		50
Benzo(b)fluoranthene	75		69		40-140	8		50
Benzo(k)fluoranthene	85		81		40-140	5		50
Chrysene	75		69		40-140	8		50
Acenaphthylene	75		70		40-140	7		50
Anthracene	75		71		40-140	5		50
Benzo(ghi)perylene	74		69		40-140	7		50
Fluorene	72		67		40-140	7		50
Phenanthrene	72		69		40-140	4		50
Dibenzo(a,h)anthracene	74		68		40-140	8		50
Indeno(1,2,3-cd)pyrene	82		75		40-140	9		50
Pyrene	79		74		35-142	7		50
Biphenyl	73		70		37-127	4		50
4-Chloroaniline	30	Q	25	Q	40-140	18		50
2-Nitroaniline	94		89		47-134	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1749782-2 WG1749782-3								
3-Nitroaniline	55		52		26-129	6		50
4-Nitroaniline	84		78		41-125	7		50
Dibenzofuran	72		67		40-140	7		50
2-Methylnaphthalene	69		68		40-140	1		50
1,2,4,5-Tetrachlorobenzene	74		72		40-117	3		50
Acetophenone	70		66		14-144	6		50
2,4,6-Trichlorophenol	83		81		30-130	2		50
p-Chloro-m-cresol	77		74		26-103	4		50
2-Chlorophenol	72		68		25-102	6		50
2,4-Dichlorophenol	76		73		30-130	4		50
2,4-Dimethylphenol	65		63		30-130	3		50
2-Nitrophenol	89		86		30-130	3		50
4-Nitrophenol	66		62		11-114	6		50
2,4-Dinitrophenol	70		67		4-130	4		50
4,6-Dinitro-o-cresol	115		107		10-130	7		50
Pentachlorophenol	75		70		17-109	7		50
Phenol	70		67		26-90	4		50
2-Methylphenol	66		62		30-130.	6		50
3-Methylphenol/4-Methylphenol	68		64		30-130	6		50
2,4,5-Trichlorophenol	88		82		30-130	7		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	63		59		40-140	7		50
Carbazole	75		71		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1749782-2 WG1749782-3								
1,4-Dioxane	45		43		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		64		25-120
Phenol-d6	66		61		10-120
Nitrobenzene-d5	64		60		23-120
2-Fluorobiphenyl	71		66		30-120
2,4,6-Tribromophenol	84		77		10-136
4-Terphenyl-d14	72		67		18-120

METALS

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-01

Date Collected: 02/28/23 13:10

Client ID: HA-1 (10-12')

Date Received: 02/28/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

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	7220		mg/kg	9.05	2.44	2	03/03/23 06:15	03/06/23 14:15	EPA 3050B	1,6010D	EGW
Antimony, Total	0.464	J	mg/kg	4.52	0.344	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Arsenic, Total	ND		mg/kg	0.905	0.188	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Barium, Total	61.6		mg/kg	0.905	0.157	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Beryllium, Total	5.34		mg/kg	0.452	0.030	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Cadmium, Total	0.164	J	mg/kg	0.905	0.089	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Calcium, Total	1590		mg/kg	9.05	3.17	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Chromium, Total	9.96		mg/kg	0.905	0.087	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Cobalt, Total	4.39		mg/kg	1.81	0.150	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Copper, Total	15.6		mg/kg	0.905	0.233	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Iron, Total	11100		mg/kg	4.52	0.817	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Lead, Total	15.5		mg/kg	4.52	0.242	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Magnesium, Total	3290		mg/kg	9.05	1.39	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Manganese, Total	112		mg/kg	0.905	0.144	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Mercury, Total	ND		mg/kg	0.073	0.048	1	03/03/23 07:50	03/05/23 19:59	EPA 7471B	1,7471B	TAA
Nickel, Total	7.99		mg/kg	2.26	0.219	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Potassium, Total	2840		mg/kg	226	13.0	2	03/03/23 06:15	03/06/23 19:19	EPA 3050B	1,6010D	GCL
Selenium, Total	ND		mg/kg	1.81	0.233	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.452	0.256	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Sodium, Total	138	J	mg/kg	181	2.85	2	03/03/23 06:15	03/06/23 19:19	EPA 3050B	1,6010D	GCL
Thallium, Total	0.588	J	mg/kg	1.81	0.285	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Vanadium, Total	12.7		mg/kg	0.905	0.184	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL
Zinc, Total	29.7		mg/kg	4.52	0.265	2	03/03/23 06:15	03/06/23 17:54	EPA 3050B	1,6010D	GCL



Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310486**Project Number:** 0207897**Report Date:** 03/07/23**SAMPLE RESULTS**

Lab ID: L2310486-02

Date Collected: 02/28/23 13:30

Client ID: SB01 (0-2')

Date Received: 02/28/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5380		mg/kg	8.66	2.34	2	03/03/23 06:15	03/06/23 14:20	EPA 3050B	1,6010D	EGW
Antimony, Total	1.32	J	mg/kg	4.33	0.329	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Arsenic, Total	8.35		mg/kg	0.866	0.180	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Barium, Total	122		mg/kg	0.866	0.151	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Beryllium, Total	6.95		mg/kg	0.433	0.029	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Cadmium, Total	0.582	J	mg/kg	0.866	0.085	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Calcium, Total	11900		mg/kg	8.66	3.03	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Chromium, Total	14.6		mg/kg	0.866	0.083	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Cobalt, Total	6.45		mg/kg	1.73	0.144	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Copper, Total	56.1		mg/kg	0.866	0.224	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Iron, Total	13000		mg/kg	4.33	0.782	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Lead, Total	412		mg/kg	4.33	0.232	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Magnesium, Total	3080		mg/kg	8.66	1.33	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Manganese, Total	233		mg/kg	0.866	0.138	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Mercury, Total	0.543		mg/kg	0.072	0.047	1	03/03/23 07:50	03/05/23 20:02	EPA 7471B	1,7471B	TAA
Nickel, Total	14.5		mg/kg	2.17	0.210	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Potassium, Total	1080		mg/kg	217	12.5	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Selenium, Total	0.629	J	mg/kg	1.73	0.224	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Silver, Total	ND		mg/kg	0.433	0.245	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Sodium, Total	296		mg/kg	173	2.73	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Thallium, Total	0.863	J	mg/kg	1.73	0.273	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Vanadium, Total	22.2		mg/kg	0.866	0.176	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL
Zinc, Total	218		mg/kg	4.33	0.254	2	03/03/23 06:15	03/06/23 18:52	EPA 3050B	1,6010D	GCL



Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310486

Project Number: 0207897

Report Date: 03/07/23

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): 01-02 Batch: WG1750054-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	0.070	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Copper, Total	ND		mg/kg	0.400	0.103	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Iron, Total	ND		mg/kg	2.00	0.361	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Manganese, Total	0.074	J	mg/kg	0.400	0.064	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Potassium, Total	ND		mg/kg	100	5.76	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Silver, Total	ND		mg/kg	0.200	0.113	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Sodium, Total	12.8	J	mg/kg	80.0	1.26	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/03/23 06:15	03/06/23 09:21	1,6010D	EGW
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/03/23 06:15	03/06/23 09:21	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): 01-02 Batch: WG1750056-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/03/23 07:50	03/05/23 18:33	1,7471B	TAA



Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310486

Project Number: 0207897

Report Date: 03/07/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1750054-2 SRM Lot Number: D116-540								
Aluminum, Total	84		-		45-155	-		
Antimony, Total	157		-		2-205	-		
Arsenic, Total	104		-		82-119	-		
Barium, Total	99		-		82-118	-		
Beryllium, Total	102		-		82-118	-		
Cadmium, Total	102		-		82-118	-		
Calcium, Total	93		-		81-119	-		
Chromium, Total	102		-		81-118	-		
Cobalt, Total	102		-		83-117	-		
Copper, Total	103		-		83-117	-		
Iron, Total	93		-		58-142	-		
Lead, Total	100		-		83-117	-		
Magnesium, Total	92		-		75-125	-		
Manganese, Total	95		-		82-118	-		
Nickel, Total	102		-		82-118	-		
Potassium, Total	94		-		68-131	-		
Selenium, Total	103		-		78-122	-		
Silver, Total	105		-		79-121	-		
Sodium, Total	109		-		71-130	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	100		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1750054-2 SRM Lot Number: D116-540					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1750056-2 SRM Lot Number: D116-540					
Mercury, Total	99	-	58-142	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310486

Report Date: 03/07/23

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): 01-02			QC Batch ID: WG1750054-3		WG1750054-4	QC Sample: L2309647-02			Client ID: MS Sample			
Aluminum, Total	9500	184	10300	435	Q	11100	905	Q	75-125	7		20
Antimony, Total	0.627J	45.9	41.4	90		35.7	81		75-125	15		20
Arsenic, Total	3.89	11	15.5	105		15.2	106		75-125	2		20
Barium, Total	33.2	184	221	102		216	103		75-125	2		20
Beryllium, Total	0.772	4.59	5.56	104		5.51	107		75-125	1		20
Cadmium, Total	ND	4.87	4.98	102		4.91	105		75-125	1		20
Calcium, Total	16100	919	11100	0	Q	5030	0	Q	75-125	75	Q	20
Chromium, Total	11.0	18.4	29.6	101		30.2	108		75-125	2		20
Cobalt, Total	7.04	45.9	54.6	104		53.9	106		75-125	1		20
Copper, Total	10.0	23	34.9	108		35.0	113		75-125	0		20
Iron, Total	16400	91.9	16800	435	Q	17700	1470	Q	75-125	5		20
Lead, Total	9.33	48.7	58.0	100		56.8	101		75-125	2		20
Magnesium, Total	9320	919	7780	0	Q	4950	0	Q	75-125	44	Q	20
Manganese, Total	262	45.9	276	30	Q	266	9	Q	75-125	4		20
Nickel, Total	13.6	45.9	59.2	99		59.8	104		75-125	1		20
Potassium, Total	352	919	1220	94		1230	99		75-125	1		20
Selenium, Total	0.276J	11	11.3	102		10.9	103		75-125	4		20
Silver, Total	ND	4.59	4.38	95		4.16	94		75-125	5		20
Sodium, Total	88.9J	919	1020	111		991	112		75-125	3		20
Thallium, Total	0.606J	11	12.1	110		11.8	111		75-125	3		20
Vanadium, Total	18.4	45.9	65.2	102		65.3	106		75-125	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310486

Project Number: 0207897

Report Date: 03/07/23

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): 01-02 QC Batch ID: WG1750054-3 WG1750054-4 QC Sample: L2309647-02 Client ID: MS Sample									
Zinc, Total	52.9	45.9	103	109	114	138	Q 75-125	10	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1750056-3 WG1750056-4 QC Sample: L2309647-02 Client ID: MS Sample									
Mercury, Total	ND	1.49	1.59	107	1.60	105	80-120	1	20

INORGANICS & MISCELLANEOUS

Project Name: 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310486**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-01**Client ID:** HA-1 (10-12')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 02/28/23 13:10**Date Received:** 02/28/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	03/01/23 08:01	121,2540G	ROI



Project Name: 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310486**Report Date:** 03/07/23**SAMPLE RESULTS****Lab ID:** L2310486-02**Client ID:** SB01 (0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 02/28/23 13:30**Date Received:** 02/28/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	03/01/23 08:01	121,2540G	ROI



Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2310486
Report Date: 03/07/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1749763-1 QC Sample: L2310408-01 Client ID: DUP Sample						
Solids, Total	88.7	89.4	%	1		20

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Serial_No: 03072314:13
Lab Number: L2310486
Report Date: 03/07/23

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(*)
L2310486-01A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2310486-01B	Vial water preserved	A	NA		2.9	Y	Absent	01-MAR-23 02:16	NYTCL-8260HLW(14)
L2310486-01C	Vial water preserved	A	NA		2.9	Y	Absent	01-MAR-23 02:16	NYTCL-8260HLW(14)
L2310486-01D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2310486-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),SB-Ti(180),CU-Ti(180),ZN-Ti(180),PB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),MG-Ti(180),FE-Ti(180),HG-T(28),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L2310486-01F	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14)
L2310486-02A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2310486-02B	Vial water preserved	A	NA		2.9	Y	Absent	01-MAR-23 02:16	NYTCL-8260HLW(14)
L2310486-02C	Vial water preserved	A	NA		2.9	Y	Absent	01-MAR-23 02:16	NYTCL-8260HLW(14)
L2310486-02D	Plastic 120ml unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2310486-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),PB-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180)
L2310486-02F	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14)

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
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Footnotes

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

Terms

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

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

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Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
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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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310486
Report Date: 03/07/23

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **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.

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ANALYTICAL REPORT

Lab Number:	L2310696
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BOULEVARD
Project Number:	0207897
Report Date:	03/08/23

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

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

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



Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2310696-01	SB02_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/01/23 12:20	03/01/23
L2310696-02	SB02_(6-8')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/01/23 12:30	03/01/23
L2310696-03	SB03_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/01/23 13:00	03/01/23

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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.

Total Metals

L2310696-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1750352-3 MS recoveries for aluminum (1800%), calcium (0%), iron (6510%), magnesium (214%), manganese (0%) and potassium (348%), performed on L2310696-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1750352-3 MS recoveries, performed on L2310696-01, are outside the acceptance criteria for arsenic (71%), lead (36%), and zinc (68%). A post digestion spike was performed and was within acceptance criteria.

The WG1750355-3 MS recovery, performed on L2310696-01, is outside the acceptance criteria for mercury (53%). A post digestion spike was performed and was within acceptance criteria.

The WG1750352-4 Laboratory Duplicate RPDs for calcium (36%) and lead (21%), performed on L2310696-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1750355-4 Laboratory Duplicate RPD for mercury (111%), performed on L2310696-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/08/23

ORGANICS

VOLATILES

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-01
 Client ID: SB02_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 12:20
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/06/23 11:08
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	17		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	0.78		ug/kg	0.58	0.19	1
Toluene	1.2		ug/kg	1.2	0.63	1
Ethylbenzene	0.17	J	ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-01**Date Collected:** 03/01/23 12:20**Client ID:** SB02_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.0		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	0.28	J	ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	0.28	J	ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	6.3	J	ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	27		ug/kg	4.6	0.76	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-01**Date Collected:** 03/01/23 12:20**Client ID:** SB02_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-02
 Client ID: SB02_(6-8')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 12:30
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/03/23 12:44
 Analyst: JIC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	0.44	J	ug/kg	0.50	0.16	1
Toluene	0.82	J	ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-02

Date Collected: 03/01/23 12:30

Client ID: SB02_(6-8')

Date Received: 03/01/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-02**Date Collected:** 03/01/23 12:30**Client ID:** SB02_(6-8')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-03
 Client ID: SB03_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 13:00
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/06/23 11:34
 Analyst: AJK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	0.87		ug/kg	0.48	0.16	1
Toluene	1.5		ug/kg	0.97	0.52	1
Ethylbenzene	0.23	J	ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-03**Date Collected:** 03/01/23 13:00**Client ID:** SB03_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	0.80	J	ug/kg	1.9	0.54	1
o-Xylene	0.33	J	ug/kg	0.97	0.28	1
Xylenes, Total	1.1	J	ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-03**Date Collected:** 03/01/23 13:00**Client ID:** SB03_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.97	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 08:51
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751488-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/03/23 08:51
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751488-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/03/23 08:51
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1751488-5					
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	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/06/23 08:58
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1751800-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/06/23 08:58
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1751800-5					
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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/06/23 08:58
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1751800-5					
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	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751488-3 WG1751488-4								
Methylene chloride	81		79		70-130	3		30
1,1-Dichloroethane	92		90		70-130	2		30
Chloroform	89		88		70-130	1		30
Carbon tetrachloride	106		104		70-130	2		30
1,2-Dichloropropane	85		85		70-130	0		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	76		76		70-130	0		30
Tetrachloroethene	102		101		70-130	1		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	114		112		70-139	2		30
1,2-Dichloroethane	103		104		70-130	1		30
1,1,1-Trichloroethane	102		101		70-130	1		30
Bromodichloromethane	88		89		70-130	1		30
trans-1,3-Dichloropropene	89		91		70-130	2		30
cis-1,3-Dichloropropene	85		84		70-130	1		30
1,1-Dichloropropene	92		91		70-130	1		30
Bromoform	90		95		70-130	5		30
1,1,2,2-Tetrachloroethane	70		74		70-130	6		30
Benzene	82		81		70-130	1		30
Toluene	85		84		70-130	1		30
Ethylbenzene	88		86		70-130	2		30
Chloromethane	93		89		52-130	4		30
Bromomethane	91		88		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751488-3 WG1751488-4								
Vinyl chloride	82		79		67-130	4		30
Chloroethane	79		77		50-151	3		30
1,1-Dichloroethene	88		87		65-135	1		30
trans-1,2-Dichloroethene	86		84		70-130	2		30
Trichloroethene	88		85		70-130	3		30
1,2-Dichlorobenzene	88		90		70-130	2		30
1,3-Dichlorobenzene	89		90		70-130	1		30
1,4-Dichlorobenzene	88		90		70-130	2		30
Methyl tert butyl ether	93		94		66-130	1		30
p/m-Xylene	90		88		70-130	2		30
o-Xylene	92		90		70-130	2		30
cis-1,2-Dichloroethene	85		84		70-130	1		30
Dibromomethane	85		86		70-130	1		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	103		98		30-146	5		30
Acetone	116		117		54-140	1		30
Carbon disulfide	134	Q	132	Q	59-130	2		30
2-Butanone	98		97		70-130	1		30
Vinyl acetate	104		107		70-130	3		30
4-Methyl-2-pentanone	81		84		70-130	4		30
1,2,3-Trichloropropane	78		80		68-130	3		30
2-Hexanone	87		93		70-130	7		30
Bromochloromethane	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751488-3 WG1751488-4								
2,2-Dichloropropane	99		96		70-130	3		30
1,2-Dibromoethane	86		87		70-130	1		30
1,3-Dichloropropane	83		84		69-130	1		30
1,1,1,2-Tetrachloroethane	95		94		70-130	1		30
Bromobenzene	86		87		70-130	1		30
n-Butylbenzene	87		87		70-130	0		30
sec-Butylbenzene	85		86		70-130	1		30
tert-Butylbenzene	87		88		70-130	1		30
o-Chlorotoluene	85		86		70-130	1		30
p-Chlorotoluene	85		86		70-130	1		30
1,2-Dibromo-3-chloropropane	84		89		68-130	6		30
Hexachlorobutadiene	104		104		67-130	0		30
Isopropylbenzene	84		85		70-130	1		30
p-Isopropyltoluene	88		89		70-130	1		30
Naphthalene	91		95		70-130	4		30
Acrylonitrile	97		96		70-130	1		30
n-Propylbenzene	84		85		70-130	1		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	96		97		70-130	1		30
1,3,5-Trimethylbenzene	86		87		70-130	1		30
1,2,4-Trimethylbenzene	85		86		70-130	1		30
1,4-Dioxane	99		101		65-136	2		30
p-Diethylbenzene	88		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1751488-3 WG1751488-4								
p-Ethyltoluene	85		86		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		98		70-130	2		30
Ethyl ether	86		89		67-130	3		30
trans-1,4-Dichloro-2-butene	90		93		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1751800-3 WG1751800-4								
Methylene chloride	78		75		70-130	4		30
1,1-Dichloroethane	89		83		70-130	7		30
Chloroform	87		81		70-130	7		30
Carbon tetrachloride	103		96		70-130	7		30
1,2-Dichloropropane	82		76		70-130	8		30
Dibromochloromethane	90		87		70-130	3		30
1,1,2-Trichloroethane	70		68	Q	70-130	3		30
Tetrachloroethene	99		94		70-130	5		30
Chlorobenzene	85		81		70-130	5		30
Trichlorofluoromethane	107		102		70-139	5		30
1,2-Dichloroethane	97		92		70-130	5		30
1,1,1-Trichloroethane	100		94		70-130	6		30
Bromodichloromethane	87		82		70-130	6		30
trans-1,3-Dichloropropene	84		81		70-130	4		30
cis-1,3-Dichloropropene	81		76		70-130	6		30
1,1-Dichloropropene	90		82		70-130	9		30
Bromoform	88		84		70-130	5		30
1,1,1,2,2-Tetrachloroethane	68	Q	64	Q	70-130	6		30
Benzene	80		75		70-130	6		30
Toluene	83		79		70-130	5		30
Ethylbenzene	84		81		70-130	4		30
Chloromethane	85		81		52-130	5		30
Bromomethane	89		84		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1751800-3 WG1751800-4								
Vinyl chloride	79		72		67-130	9		30
Chloroethane	78		72		50-151	8		30
1,1-Dichloroethene	87		80		65-135	8		30
trans-1,2-Dichloroethene	85		78		70-130	9		30
Trichloroethene	85		80		70-130	6		30
1,2-Dichlorobenzene	85		83		70-130	2		30
1,3-Dichlorobenzene	86		83		70-130	4		30
1,4-Dichlorobenzene	86		82		70-130	5		30
Methyl tert butyl ether	88		83		66-130	6		30
p/m-Xylene	86		82		70-130	5		30
o-Xylene	87		84		70-130	4		30
cis-1,2-Dichloroethene	83		78		70-130	6		30
Dibromomethane	82		76		70-130	8		30
Styrene	86		83		70-130	4		30
Dichlorodifluoromethane	93		85		30-146	9		30
Acetone	90		83		54-140	8		30
Carbon disulfide	131	Q	122		59-130	7		30
2-Butanone	89		78		70-130	13		30
Vinyl acetate	101		86		70-130	16		30
4-Methyl-2-pentanone	74		70		70-130	6		30
1,2,3-Trichloropropane	75		71		68-130	5		30
2-Hexanone	78		73		70-130	7		30
Bromochloromethane	89		84		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1751800-3 WG1751800-4								
2,2-Dichloropropane	96		89		70-130	8		30
1,2-Dibromoethane	80		77		70-130	4		30
1,3-Dichloropropane	77		75		69-130	3		30
1,1,1,2-Tetrachloroethane	91		87		70-130	4		30
Bromobenzene	84		80		70-130	5		30
n-Butylbenzene	84		80		70-130	5		30
sec-Butylbenzene	82		79		70-130	4		30
tert-Butylbenzene	84		80		70-130	5		30
o-Chlorotoluene	82		78		70-130	5		30
p-Chlorotoluene	82		79		70-130	4		30
1,2-Dibromo-3-chloropropane	80		74		68-130	8		30
Hexachlorobutadiene	99		96		67-130	3		30
Isopropylbenzene	82		78		70-130	5		30
p-Isopropyltoluene	87		83		70-130	5		30
Naphthalene	85		84		70-130	1		30
Acrylonitrile	85		85		70-130	0		30
n-Propylbenzene	82		78		70-130	5		30
1,2,3-Trichlorobenzene	91		89		70-130	2		30
1,2,4-Trichlorobenzene	93		90		70-130	3		30
1,3,5-Trimethylbenzene	84		81		70-130	4		30
1,2,4-Trimethylbenzene	83		80		70-130	4		30
1,4-Dioxane	96		92		65-136	4		30
p-Diethylbenzene	86		82		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1751800-3 WG1751800-4								
p-Ethyltoluene	83		80		70-130	4		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Ethyl ether	82		78		67-130	5		30
trans-1,4-Dichloro-2-butene	86		78		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		106		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-01
 Client ID: SB02_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 12:20
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/06/23 13:04
 Analyst: IM
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 03/03/23 02:41

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	ND		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: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-01

Date Collected: 03/01/23 12:20

Client ID: SB02_(0-2')

Date Received: 03/01/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	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: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-01**Date Collected:** 03/01/23 12:20**Client ID:** SB02_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	55		18-120

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-02
 Client ID: SB02_(6-8')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 12:30
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/06/23 13:28
 Analyst: IM
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 03/03/23 02:41

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	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		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	60.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-02**Date Collected:** 03/01/23 12:30**Client ID:** SB02_(6-8')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	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	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	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	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	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: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-02**Date Collected:** 03/01/23 12:30**Client ID:** SB02_(6-8')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	64		18-120

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-03
 Client ID: SB03_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/01/23 13:00
 Date Received: 03/01/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/06/23 13:51
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/03/23 02:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-03**Date Collected:** 03/01/23 13:00**Client ID:** SB03_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	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	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	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-03**Date Collected:** 03/01/23 13:00**Client ID:** SB03_(0-2')**Date Received:** 03/01/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	62		18-120

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/23 12:01
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/03/23 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1750603-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	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	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/23 12:01
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/03/23 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1750603-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/05/23 12:01
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 03/03/23 02:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1750603-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	80		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1750603-2 WG1750603-3								
Acenaphthene	75		77		31-137	3		50
1,2,4-Trichlorobenzene	72		73		38-107	1		50
Hexachlorobenzene	82		85		40-140	4		50
Bis(2-chloroethyl)ether	62		63		40-140	2		50
2-Chloronaphthalene	73		74		40-140	1		50
1,2-Dichlorobenzene	68		70		40-140	3		50
1,3-Dichlorobenzene	68		71		40-140	4		50
1,4-Dichlorobenzene	67		70		28-104	4		50
3,3'-Dichlorobenzidine	72		72		40-140	0		50
2,4-Dinitrotoluene	108		113		40-132	5		50
2,6-Dinitrotoluene	93		96		40-140	3		50
Fluoranthene	82		83		40-140	1		50
4-Chlorophenyl phenyl ether	80		81		40-140	1		50
4-Bromophenyl phenyl ether	83		84		40-140	1		50
Bis(2-chloroisopropyl)ether	47		48		40-140	2		50
Bis(2-chloroethoxy)methane	66		67		40-117	2		50
Hexachlorobutadiene	73		74		40-140	1		50
Hexachlorocyclopentadiene	78		78		40-140	0		50
Hexachloroethane	68		70		40-140	3		50
Isophorone	63		66		40-140	5		50
Naphthalene	68		71		40-140	4		50
Nitrobenzene	66		68		40-140	3		50
NDPA/DPA	81		82		36-157	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1750603-2 WG1750603-3								
n-Nitrosodi-n-propylamine	63		66		32-121	5		50
Bis(2-ethylhexyl)phthalate	89		89		40-140	0		50
Butyl benzyl phthalate	92		92		40-140	0		50
Di-n-butylphthalate	85		87		40-140	2		50
Di-n-octylphthalate	95		95		40-140	0		50
Diethyl phthalate	80		81		40-140	1		50
Dimethyl phthalate	75		77		40-140	3		50
Benzo(a)anthracene	78		78		40-140	0		50
Benzo(a)pyrene	86		88		40-140	2		50
Benzo(b)fluoranthene	85		78		40-140	9		50
Benzo(k)fluoranthene	81		91		40-140	12		50
Chrysene	78		78		40-140	0		50
Acenaphthylene	74		75		40-140	1		50
Anthracene	78		81		40-140	4		50
Benzo(ghi)perylene	80		83		40-140	4		50
Fluorene	76		78		40-140	3		50
Phenanthrene	75		77		40-140	3		50
Dibenzo(a,h)anthracene	79		82		40-140	4		50
Indeno(1,2,3-cd)pyrene	85		90		40-140	6		50
Pyrene	82		84		35-142	2		50
Biphenyl	73		75		37-127	3		50
4-Chloroaniline	28	Q	25	Q	40-140	11		50
2-Nitroaniline	92		92		47-134	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1750603-2 WG1750603-3								
3-Nitroaniline	61		62		26-129	2		50
4-Nitroaniline	87		87		41-125	0		50
Dibenzofuran	77		80		40-140	4		50
2-Methylnaphthalene	71		73		40-140	3		50
1,2,4,5-Tetrachlorobenzene	76		77		40-117	1		50
Acetophenone	72		74		14-144	3		50
2,4,6-Trichlorophenol	84		84		30-130	0		50
p-Chloro-m-cresol	74		76		26-103	3		50
2-Chlorophenol	76		78		25-102	3		50
2,4-Dichlorophenol	80		82		30-130	2		50
2,4-Dimethylphenol	71		72		30-130	1		50
2-Nitrophenol	92		99		30-130	7		50
4-Nitrophenol	67		68		11-114	1		50
2,4-Dinitrophenol	82		88		4-130	7		50
4,6-Dinitro-o-cresol	114		122		10-130	7		50
Pentachlorophenol	78		82		17-109	5		50
Phenol	75		76		26-90	1		50
2-Methylphenol	70		71		30-130.	1		50
3-Methylphenol/4-Methylphenol	73		72		30-130	1		50
2,4,5-Trichlorophenol	84		90		30-130	7		50
Benzoic Acid	22		28		10-110	24		50
Benzyl Alcohol	66		68		40-140	3		50
Carbazole	80		82		54-128	2		50

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1750603-2 WG1750603-3								
1,4-Dioxane	54		59		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		79		25-120
Phenol-d6	73		76		10-120
Nitrobenzene-d5	71		72		23-120
2-Fluorobiphenyl	77		76		30-120
2,4,6-Tribromophenol	94		96		10-136
4-Terphenyl-d14	82		82		18-120

METALS

Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-01

Date Collected: 03/01/23 12:20

Client ID: SB02_(0-2')

Date Received: 03/01/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10700		mg/kg	8.62	2.33	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Antimony, Total	0.442	J	mg/kg	4.31	0.328	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Arsenic, Total	3.05		mg/kg	0.862	0.179	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Barium, Total	123		mg/kg	0.862	0.150	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.928		mg/kg	0.431	0.028	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.199	J	mg/kg	0.862	0.085	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Calcium, Total	8870		mg/kg	8.62	3.02	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Chromium, Total	18.1		mg/kg	0.862	0.083	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Cobalt, Total	8.84		mg/kg	1.72	0.143	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Copper, Total	25.2		mg/kg	0.862	0.222	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Iron, Total	17000		mg/kg	4.31	0.779	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Lead, Total	32.7		mg/kg	4.31	0.231	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Magnesium, Total	3730		mg/kg	8.62	1.33	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Manganese, Total	256		mg/kg	0.862	0.137	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Mercury, Total	1.02		mg/kg	0.069	0.045	1	03/04/23 11:00	03/06/23 08:12	EPA 7471B	1,7471B	DMB
Nickel, Total	17.3		mg/kg	2.16	0.209	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Potassium, Total	3610		mg/kg	216	12.4	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.72	0.222	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.431	0.244	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Sodium, Total	303		mg/kg	172	2.72	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Thallium, Total	0.576	J	mg/kg	1.72	0.272	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Vanadium, Total	27.7		mg/kg	0.862	0.175	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW
Zinc, Total	77.6		mg/kg	4.31	0.253	2	03/04/23 09:25	03/07/23 18:26	EPA 3050B	1,6010D	AMW



Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-02

Date Collected: 03/01/23 12:30

Client ID: SB02_(6-8')

Date Received: 03/01/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15200		mg/kg	8.51	2.30	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Antimony, Total	1.11	J	mg/kg	4.26	0.323	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.851	0.177	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Barium, Total	149		mg/kg	0.851	0.148	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Beryllium, Total	1.89		mg/kg	0.426	0.028	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.258	J	mg/kg	0.851	0.083	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Calcium, Total	1580		mg/kg	8.51	2.98	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Chromium, Total	24.6		mg/kg	0.851	0.082	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Cobalt, Total	13.8		mg/kg	1.70	0.141	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Copper, Total	28.3		mg/kg	0.851	0.220	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Iron, Total	29300		mg/kg	4.26	0.768	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Lead, Total	21.0		mg/kg	4.26	0.228	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Magnesium, Total	7210		mg/kg	8.51	1.31	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Manganese, Total	358		mg/kg	0.851	0.135	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/04/23 11:00	03/06/23 09:07	EPA 7471B	1,7471B	DMB
Nickel, Total	16.8		mg/kg	2.13	0.206	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Potassium, Total	9660		mg/kg	213	12.2	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.70	0.220	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.426	0.241	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Sodium, Total	92.1	J	mg/kg	170	2.68	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Thallium, Total	1.41	J	mg/kg	1.70	0.268	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Vanadium, Total	28.5		mg/kg	0.851	0.173	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL
Zinc, Total	95.6		mg/kg	4.26	0.249	2	03/04/23 09:25	03/07/23 22:53	EPA 3050B	1,6010D	DHL



Project Name: 650 SOUTHERN BOULEVARD**Lab Number:** L2310696**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310696-03

Date Collected: 03/01/23 13:00

Client ID: SB03_(0-2')

Date Received: 03/01/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18300		mg/kg	8.78	2.37	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Antimony, Total	0.855	J	mg/kg	4.39	0.334	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.878	0.182	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Barium, Total	116		mg/kg	0.878	0.153	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Beryllium, Total	1.57		mg/kg	0.439	0.029	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.302	J	mg/kg	0.878	0.086	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Calcium, Total	1900		mg/kg	8.78	3.07	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Chromium, Total	38.9		mg/kg	0.878	0.084	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Cobalt, Total	16.5		mg/kg	1.76	0.146	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Copper, Total	34.6		mg/kg	0.878	0.226	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Iron, Total	29000		mg/kg	4.39	0.793	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Lead, Total	49.8		mg/kg	4.39	0.235	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Magnesium, Total	7840		mg/kg	8.78	1.35	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Manganese, Total	394		mg/kg	0.878	0.140	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.071	0.046	1	03/04/23 11:00	03/06/23 09:10	EPA 7471B	1,7471B	DMB
Nickel, Total	38.2		mg/kg	2.19	0.212	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Potassium, Total	6990		mg/kg	219	12.6	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.76	0.226	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.439	0.248	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Sodium, Total	254		mg/kg	176	2.76	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Thallium, Total	1.19	J	mg/kg	1.76	0.276	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Vanadium, Total	45.1		mg/kg	0.878	0.178	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL
Zinc, Total	92.9		mg/kg	4.39	0.257	2	03/04/23 09:25	03/07/23 22:58	EPA 3050B	1,6010D	DHL



Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310696

Project Number: 0207897

Report Date: 03/08/23

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): 01-03 Batch: WG1750352-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Barium, Total	ND		mg/kg	0.400	0.070	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Copper, Total	ND		mg/kg	0.400	0.103	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Iron, Total	0.381	J	mg/kg	2.00	0.361	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Lead, Total	ND		mg/kg	2.00	0.107	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Magnesium, Total	0.630	J	mg/kg	4.00	0.616	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Potassium, Total	ND		mg/kg	100	5.76	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Silver, Total	ND		mg/kg	0.200	0.113	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Sodium, Total	1.62	J	mg/kg	80.0	1.26	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/04/23 09:25	03/07/23 18:02	1,6010D	AMW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1750355-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/04/23 11:00	03/06/23 08:05	1,7471B	DMB



Project Name: 650 SOUTHERN BOULEVARD

Lab Number: L2310696

Project Number: 0207897

Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750352-2 SRM Lot Number: D116-540								
Aluminum, Total	82		-		45-155	-		
Antimony, Total	150		-		2-205	-		
Arsenic, Total	99		-		82-119	-		
Barium, Total	92		-		82-118	-		
Beryllium, Total	96		-		82-118	-		
Cadmium, Total	95		-		82-118	-		
Calcium, Total	97		-		81-119	-		
Chromium, Total	95		-		81-118	-		
Cobalt, Total	95		-		83-117	-		
Copper, Total	98		-		83-117	-		
Iron, Total	99		-		58-142	-		
Lead, Total	96		-		83-117	-		
Magnesium, Total	91		-		75-125	-		
Manganese, Total	92		-		82-118	-		
Nickel, Total	94		-		82-118	-		
Potassium, Total	91		-		68-131	-		
Selenium, Total	98		-		78-122	-		
Silver, Total	98		-		79-121	-		
Sodium, Total	102		-		71-130	-		
Thallium, Total	98		-		80-120	-		
Vanadium, Total	95		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750352-2 SRM Lot Number: D116-540					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750355-2 SRM Lot Number: D116-540					
Mercury, Total	112	-	58-142	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

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): 01-03			QC Batch ID: WG1750352-3			QC Sample: L2310696-01			Client ID: SB02_(0-2')			
Aluminum, Total	10700	172	13800	1800	Q	-	-		75-125	-		20
Antimony, Total	0.442J	43	36.2	84		-	-		75-125	-		20
Arsenic, Total	3.05	10.3	10.4	71	Q	-	-		75-125	-		20
Barium, Total	123	172	299	102		-	-		75-125	-		20
Beryllium, Total	0.928	4.3	5.25	100		-	-		75-125	-		20
Cadmium, Total	0.199J	4.56	4.50	99		-	-		75-125	-		20
Calcium, Total	8870	860	2260	0	Q	-	-		75-125	-		20
Chromium, Total	18.1	17.2	37.0	110		-	-		75-125	-		20
Cobalt, Total	8.84	43	50.1	96		-	-		75-125	-		20
Copper, Total	25.2	21.5	52.0	125		-	-		75-125	-		20
Iron, Total	17000	86	22600	6510	Q	-	-		75-125	-		20
Lead, Total	32.7	45.6	49.1	36	Q	-	-		75-125	-		20
Magnesium, Total	3730	860	5570	214	Q	-	-		75-125	-		20
Manganese, Total	256	43	242	0	Q	-	-		75-125	-		20
Nickel, Total	17.3	43	60.8	101		-	-		75-125	-		20
Potassium, Total	3610	860	6600	348	Q	-	-		75-125	-		20
Selenium, Total	ND	10.3	9.36	91		-	-		75-125	-		20
Silver, Total	ND	4.3	3.68	86		-	-		75-125	-		20
Sodium, Total	303	860	994	80		-	-		75-125	-		20
Thallium, Total	0.576J	10.3	10.1	98		-	-		75-125	-		20
Vanadium, Total	27.7	43	64.9	86		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

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): 01-03			QC Batch ID: WG1750352-3		QC Sample: L2310696-01		Client ID: SB02_(0-2')		
Zinc, Total	77.6	43	107	68	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1750355-3		QC Sample: L2310696-01		Client ID: SB02_(0-2')		
Mercury, Total	1.02	1.42	1.77	53	Q	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BOULEVARD

Project Number: 0207897

Lab Number: L2310696

Report Date: 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750352-4 QC Sample: L2310696-01 Client ID: SB02_(0-2')						
Aluminum, Total	10700	10300	mg/kg	4		20
Antimony, Total	0.442J	0.600J	mg/kg	NC		20
Arsenic, Total	3.05	3.51	mg/kg	14		20
Barium, Total	123	118	mg/kg	4		20
Beryllium, Total	0.928	0.904	mg/kg	3		20
Cadmium, Total	0.199J	0.232J	mg/kg	NC		20
Calcium, Total	8870	12800	mg/kg	36	Q	20
Chromium, Total	18.1	17.0	mg/kg	6		20
Cobalt, Total	8.84	8.92	mg/kg	1		20
Copper, Total	25.2	24.4	mg/kg	3		20
Iron, Total	17000	17400	mg/kg	2		20
Lead, Total	32.7	40.3	mg/kg	21	Q	20
Magnesium, Total	3730	3650	mg/kg	2		20
Manganese, Total	256	269	mg/kg	5		20
Nickel, Total	17.3	16.5	mg/kg	5		20
Potassium, Total	3610	3420	mg/kg	5		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	303	342	mg/kg	12		20

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2310696
Report Date: 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750352-4 QC Sample: L2310696-01 Client ID: SB02_(0-2')					
Thallium, Total	0.576J	0.565J	mg/kg	NC	20
Vanadium, Total	27.7	27.8	mg/kg	0	20
Zinc, Total	77.6	85.6	mg/kg	10	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750355-4 QC Sample: L2310696-01 Client ID: SB02_(0-2')					
Mercury, Total	1.02	0.293	mg/kg	111	Q 20

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

**Lab Serial Dilution
Analysis
Batch Quality Control**

Lab Number: L2310696
Report Date: 03/08/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750352-6 QC Sample: L2310696-01 Client ID: SB02_(0-2')						
Aluminum, Total	10700	11600	mg/kg	8		20
Barium, Total	123	136	mg/kg	11		20
Calcium, Total	8870	9950	mg/kg	12		20
Copper, Total	25.2	26.4	mg/kg	5		20
Iron, Total	17000	19500	mg/kg	15		20
Magnesium, Total	3730	4060	mg/kg	9		20
Manganese, Total	256	291	mg/kg	14		20
Vanadium, Total	27.7	30.2	mg/kg	9		20

INORGANICS & MISCELLANEOUS

Project Name: 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310696**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-01**Client ID:** SB02_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/01/23 12:20**Date Received:** 03/01/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	03/02/23 08:37	121,2540G	ROI



Project Name: 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310696**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-02**Client ID:** SB02_(6-8')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/01/23 12:30**Date Received:** 03/01/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	03/02/23 08:37	121,2540G	ROI



Project Name: 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310696**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310696-03**Client ID:** SB03_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/01/23 13:00**Date Received:** 03/01/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	03/02/23 08:37	121,2540G	ROI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 650 SOUTHERN BOULEVARD**Project Number:** 0207897**Lab Number:** L2310696**Report Date:** 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1750196-1 QC Sample: L2310783-04 Client ID: DUP Sample						
Solids, Total	89.5	89.4	%	0		20

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Serial_No: 03082312:03
Lab Number: L2310696
Report Date: 03/08/23

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(*)
L2310696-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2310696-01B	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-01C	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-01D	Plastic 120ml unpreserved	A	NA		3.1	Y	Absent		TS(7)
L2310696-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L2310696-01F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L2310696-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2310696-02B	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-02C	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-02D	Plastic 120ml unpreserved	A	NA		3.1	Y	Absent		TS(7)
L2310696-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),ZN-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),FE-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180)
L2310696-02F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)
L2310696-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2310696-03B	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-03C	Vial water preserved	A	NA		3.1	Y	Absent	02-MAR-23 00:50	NYTCL-8260HLW(14)
L2310696-03D	Plastic 120ml unpreserved	A	NA		3.1	Y	Absent		TS(7)

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Serial_No: 03082312:03
Lab Number: L2310696
Report Date: 03/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2310696-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2310696-03F	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14)

Project Name: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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: 650 SOUTHERN BOULEVARD
Project Number: 0207897

Lab Number: L2310696
Report Date: 03/08/23

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **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.

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ANALYTICAL REPORT

Lab Number:	L2310922
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BLVD
Project Number:	0207897
Report Date:	03/06/23

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

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

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



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2310922-01	SG-01	SOIL_VAPOR	650 SOUTHERN BLVD, BRONX, NY	03/02/23 11:26	03/02/23
L2310922-02	SG-02	SOIL_VAPOR	650 SOUTHERN BLVD, BRONX, NY	03/02/23 12:08	03/02/23

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 2, 2023. The canister certification results are provided as an addendum.

The WG1751282-3 LCS recovery for bromoform (133%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/06/23

AIR

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-01

Client ID: SG-01

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 11:26

Date Received: 03/02/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/05/23 16:53

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.505	0.200	--	2.50	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	25.0	5.00	--	47.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.92	1.00	--	11.7	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	3.20	0.500	--	7.87	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.95	0.500	--	5.91	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.207	0.200	--	0.645	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	2.02	0.500	--	5.96	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-01

Client ID: SG-01

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 11:26

Date Received: 03/02/23

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.32	0.500	--	4.76	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.96	0.200	--	6.91	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.770	0.200	--	2.46	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.478	0.200	--	1.65	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.360	0.200	--	1.68	0.934	--		1
Heptane	0.611	0.200	--	2.50	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	2.09	0.200	--	7.88	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	0.446	0.200	--	1.94	0.869	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-01

Date Collected: 03/02/23 11:26

Client ID: SG-01

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.72	0.400	--	7.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.640	0.200	--	2.78	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-02

Client ID: SG-02

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 12:08

Date Received: 03/02/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 03/05/23 17:31

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.534	0.200	--	2.64	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	50.4	5.00	--	95.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.7	1.00	--	32.5	2.38	--		1
Trichlorofluoromethane	0.346	0.200	--	1.94	1.12	--		1
Isopropanol	5.92	0.500	--	14.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.75	0.500	--	23.5	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.30	0.200	--	4.05	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	3.42	0.500	--	10.1	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-02

Client ID: SG-02

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 12:08

Date Received: 03/02/23

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.19	0.500	--	4.29	1.80	--		1
Chloroform	2.52	0.200	--	12.3	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.94	0.200	--	10.4	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.966	0.200	--	3.09	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.63	0.200	--	5.61	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.569	0.200	--	2.33	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	2.63	0.200	--	9.91	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	0.541	0.200	--	3.67	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.503	0.200	--	2.18	0.869	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23**SAMPLE RESULTS**

Lab ID: L2310922-02

Date Collected: 03/02/23 12:08

Client ID: SG-02

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.72	0.400	--	7.47	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.655	0.200	--	2.85	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: 650 SOUTHERN BLVD

Lab Number: L2310922

Project Number: 0207897

Report Date: 03/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/05/23 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1751282-4								
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: 650 SOUTHERN BLVD

Lab Number: L2310922

Project Number: 0207897

Report Date: 03/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/05/23 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1751282-4								
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: 650 SOUTHERN BLVD

Lab Number: L2310922

Project Number: 0207897

Report Date: 03/06/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/05/23 14:02

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1751282-4								
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: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

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: WG1751282-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	83		-		70-130	-		
Bromomethane	91		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	77		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	92		-		40-160	-		
Trichlorofluoromethane	100		-		70-130	-		
Isopropanol	89		-		40-160	-		
1,1-Dichloroethene	96		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	92		-		70-130	-		
3-Chloropropene	96		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	92		-		70-130	-		
2-Butanone	93		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

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: WG1751282-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	96		-		70-130	-		
n-Hexane	88		-		70-130	-		
1,1,1-Trichloroethane	108		-		70-130	-		
Benzene	85		-		70-130	-		
Carbon tetrachloride	115		-		70-130	-		
Cyclohexane	90		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	107		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	91		-		70-130	-		
Heptane	92		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	98		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
Toluene	91		-		70-130	-		
2-Hexanone	95		-		70-130	-		
Dibromochloromethane	123		-		70-130	-		
1,2-Dibromoethane	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

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: WG1751282-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	97		-		70-130	-		
Bromoform	133	Q	-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	87		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1751282-5 QC Sample: L2310922-02 Client ID: SG-02						
Dichlorodifluoromethane	0.534	0.537	ppbV	1		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	50.4	43.9	ppbV	14		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	13.7	13.1	ppbV	4		25
Trichlorofluoromethane	0.346	0.350	ppbV	1		25
Isopropanol	5.92	5.88	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	7.75	7.63	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	1.30	1.28	ppbV	2		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1751282-5 QC Sample: L2310922-02 Client ID: SG-02						
2-Butanone	3.42	3.43	ppbV	0		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	1.19	1.14	ppbV	4		25
Chloroform	2.52	2.51	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	2.94	2.93	ppbV	0		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.966	0.966	ppbV	0		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	1.63	1.63	ppbV	0		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.569	0.577	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310922

Report Date: 03/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1751282-5 QC Sample: L2310922-02 Client ID: SG-02						
Toluene	2.63	2.65	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	0.541	0.544	ppbV	1		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.503	0.501	ppbV	0		25
p/m-Xylene	1.72	1.74	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.655	0.652	ppbV	0		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Serial_No:03062315:50
Lab Number: L2310922

Report Date: 03/06/23

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2310922-01	SG-01	0271	Flow 4	03/02/23	415988		-	-	-	Pass	18.0	17.3	4
L2310922-01	SG-01	2791	2.7L Can	03/02/23	415988	L2310165-01	Pass	-29.5	-5.3	-	-	-	-
L2310922-02	SG-02	0648	Flow 3	03/02/23	415988		-	-	-	Pass	18.0	20.7	14
L2310922-02	SG-02	238	2.7L Can	03/02/23	415988	L2310165-01	Pass	-29.5	-5.2	-	-	-	-

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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/26/23 17:37
Analyst: TJS

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



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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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



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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
 Client ID: CAN 206 SHELF 7
 Sample Location:

Date Collected: 02/24/23 22:00
 Date Received: 02/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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

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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/26/23 17:37
Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



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

Lab Number: L2310165
Report Date: 03/06/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-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:** L2310165**Project Number:** CANISTER QC BAT**Report Date:** 03/06/23**Air Canister Certification Results**

Lab ID: L2310165-01

Date Collected: 02/24/23 22:00

Client ID: CAN 206 SHELF 7

Date Received: 02/25/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No:03062315:50
Lab Number: L2310922
Report Date: 03/06/23

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(*)
L2310922-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2310922-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310922**Project Number:** 0207897**Report Date:** 03/06/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

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.)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310922
Report Date: 03/06/23

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.****EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Client Information

Client: MA of new form
Address: 237 W 35th St
NY, NY, 10001

Phone:

Fax:

Email: S.Bell@hackettaldrich.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name:	650 Southern Blvd
Project Location:	650 Southern Blvd, Bronx

Project #: 0207897

Project Manager: Suzanne Bell

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX

☐ ADE_x

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L2310922

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
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ANALYSIS

All Columns Below Must Be Filled Out

*SAMPLE MATRIX CODES

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

Container Type

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



ANALYTICAL REPORT

Lab Number:	L2310923
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BLVD
Project Number:	0207897
Report Date:	03/08/23

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

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



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2310923-01	SB04_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/02/23 10:35	03/02/23
L2310923-02	SB04_(8-10')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/02/23 10:40	03/02/23
L2310923-03	SB05_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/02/23 10:50	03/02/23
L2310923-04	OW-02	WATER	650 SOUTHERN BLVD, BRONX, NY	03/02/23 09:30	03/02/23

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

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.

Total Metals

L2310923-01 through -03: 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:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/08/23

ORGANICS

VOLATILES

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-01
 Client ID: SB04_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:35
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/06/23 16:11
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-01**Date Collected:** 03/02/23 10:35**Client ID:** SB04_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-01**Date Collected:** 03/02/23 10:35**Client ID:** SB04_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	89		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-02
 Client ID: SB04_(8-10')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:40
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/06/23 16:37
 Analyst: JIC
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-02**Date Collected:** 03/02/23 10:40**Client ID:** SB04_(8-10')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-02**Date Collected:** 03/02/23 10:40**Client ID:** SB04_(8-10')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	88		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-03
 Client ID: SB05_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:50
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/06/23 17:03
 Analyst: JIC
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-03**Date Collected:** 03/02/23 10:50**Client ID:** SB05_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-03**Date Collected:** 03/02/23 10:50**Client ID:** SB05_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	88		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-04
 Client ID: OW-02
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 09:30
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 03/04/23 11:28
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.39	J	ug/l	0.50	0.18	1
Chlorobenzene	0.90	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	12		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	5.9		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	30		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-04**Date Collected:** 03/02/23 09:30**Client ID:** OW-02**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	11		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	1.2	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	5.4		ug/l	2.5	0.70	1
p/m-Xylene	0.91	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.91	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	39		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	39		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	1.8	J	ug/l	2.5	0.70	1
sec-Butylbenzene	2.3	J	ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	4.3		ug/l	2.5	0.70	1
p-Isopropyltoluene	1.1	J	ug/l	2.5	0.70	1
Naphthalene	27		ug/l	2.5	0.70	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-04**Date Collected:** 03/02/23 09:30**Client ID:** OW-02**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	7.4		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.2	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	4.6		ug/l	2.0	0.70	1
p-Ethyltoluene	2.1		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	5.9		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/04/23 07:09
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1751586-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/04/23 07:09
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1751586-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/04/23 07:09
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1751586-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 03/06/23 09:15
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1751919-5					
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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/23 09:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1751919-5					
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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/23 09:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1751919-5					
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	110		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	86		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1751586-3 WG1751586-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	110		100		64-130	10		20
Bromomethane	100		98		39-139	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1751586-3 WG1751586-4								
Vinyl chloride	100		96		55-140	4		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		100		70-130	10		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	96		94		64-130	2		20
Acrylonitrile	110		110		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	110		110		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		110		63-138	0		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		100		57-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1751586-3 WG1751586-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	96		90		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		100		70-130	10		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	110		100		70-130	10		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	110		100		70-130	10		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	136		118		56-162	14		20
p-Diethylbenzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1751586-3 WG1751586-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	99		96		70-130	3		20
Ethyl ether	120		110		59-134	9		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

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

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1751919-3 WG1751919-4								
Methylene chloride	80		77		70-130	4		30
1,1-Dichloroethane	101		97		70-130	4		30
Chloroform	85		82		70-130	4		30
Carbon tetrachloride	78		74		70-130	5		30
1,2-Dichloropropane	102		99		70-130	3		30
Dibromochloromethane	78		76		70-130	3		30
1,1,2-Trichloroethane	98		97		70-130	1		30
Tetrachloroethene	85		80		70-130	6		30
Chlorobenzene	90		87		70-130	3		30
Trichlorofluoromethane	79		74		70-139	7		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	85		81		70-130	5		30
Bromodichloromethane	82		79		70-130	4		30
trans-1,3-Dichloropropene	101		99		70-130	2		30
cis-1,3-Dichloropropene	92		90		70-130	2		30
1,1-Dichloropropene	102		96		70-130	6		30
Bromoform	74		75		70-130	1		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	94		90		70-130	4		30
Toluene	98		92		70-130	6		30
Ethylbenzene	101		95		70-130	6		30
Chloromethane	121		115		52-130	5		30
Bromomethane	74		80		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1751919-3 WG1751919-4								
Vinyl chloride	101		96		67-130	5		30
Chloroethane	96		89		50-151	8		30
1,1-Dichloroethene	88		84		65-135	5		30
trans-1,2-Dichloroethene	85		81		70-130	5		30
Trichloroethene	87		84		70-130	4		30
1,2-Dichlorobenzene	88		84		70-130	5		30
1,3-Dichlorobenzene	90		87		70-130	3		30
1,4-Dichlorobenzene	89		85		70-130	5		30
Methyl tert butyl ether	90		91		66-130	1		30
p/m-Xylene	98		92		70-130	6		30
o-Xylene	99		94		70-130	5		30
cis-1,2-Dichloroethene	83		80		70-130	4		30
Dibromomethane	78		77		70-130	1		30
Styrene	98		94		70-130	4		30
Dichlorodifluoromethane	86		81		30-146	6		30
Acetone	116		118		54-140	2		30
Carbon disulfide	141	Q	134	Q	59-130	5		30
2-Butanone	106		110		70-130	4		30
Vinyl acetate	116		112		70-130	4		30
4-Methyl-2-pentanone	104		109		70-130	5		30
1,2,3-Trichloropropane	107		108		68-130	1		30
2-Hexanone	118		121		70-130	3		30
Bromochloromethane	70		68	Q	70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Lab Number: L2310923

Project Number: 0207897

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1751919-3 WG1751919-4								
2,2-Dichloropropane	92		88		70-130	4		30
1,2-Dibromoethane	87		86		70-130	1		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	82		80		70-130	2		30
Bromobenzene	85		82		70-130	4		30
n-Butylbenzene	118		111		70-130	6		30
sec-Butylbenzene	109		104		70-130	5		30
tert-Butylbenzene	100		95		70-130	5		30
o-Chlorotoluene	108		102		70-130	6		30
p-Chlorotoluene	109		104		70-130	5		30
1,2-Dibromo-3-chloropropane	67	Q	69		68-130	3		30
Hexachlorobutadiene	82		78		67-130	5		30
Isopropylbenzene	107		101		70-130	6		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	85		86		70-130	1		30
Acrylonitrile	110		114		70-130	4		30
n-Propylbenzene	117		111		70-130	5		30
1,2,3-Trichlorobenzene	82		79		70-130	4		30
1,2,4-Trichlorobenzene	85		82		70-130	4		30
1,3,5-Trimethylbenzene	103		98		70-130	5		30
1,2,4-Trimethylbenzene	102		98		70-130	4		30
1,4-Dioxane	88		93		65-136	6		30
p-Diethylbenzene	103		98		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1751919-3 WG1751919-4								
p-Ethyltoluene	108		102		70-130	6		30
1,2,4,5-Tetramethylbenzene	99		94		70-130	5		30
Ethyl ether	95		94		67-130	1		30
trans-1,4-Dichloro-2-butene	118		121		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		106		70-130
Toluene-d8	110		108		70-130
4-Bromofluorobenzene	114		113		70-130
Dibromofluoromethane	87		87		70-130

SEMIVOLATILES

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-01
 Client ID: SB04_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:35
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/07/23 04:27
 Analyst: ALS
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 03/04/23 10:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-01**Date Collected:** 03/02/23 10:35**Client ID:** SB04_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	20	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-01**Date Collected:** 03/02/23 10:35**Client ID:** SB04_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	41		10-136
4-Terphenyl-d14	45		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-02
 Client ID: SB04_(8-10')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:40
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/07/23 04:04
 Analyst: ALS
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 03/04/23 10:11

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	ND		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	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	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: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-02**Date Collected:** 03/02/23 10:40**Client ID:** SB04_(8-10')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	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: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-02**Date Collected:** 03/02/23 10:40**Client ID:** SB04_(8-10')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	50		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-03
 Client ID: SB05_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:50
 Date Received: 03/02/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/07/23 02:30
 Analyst: ALS
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 03/04/23 10:11

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	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	140	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-03

Date Collected: 03/02/23 10:50

Client ID: SB05_(0-2')

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-03**Date Collected:** 03/02/23 10:50**Client ID:** SB05_(0-2')**Date Received:** 03/02/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	63		18-120

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/07/23 00:33
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/04/23 10:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1751083-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/07/23 00:33
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/04/23 10:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1751083-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/07/23 00:33
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/04/23 10:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1751083-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1751083-2 WG1751083-3								
Acenaphthene	56		52		31-137	7		50
1,2,4-Trichlorobenzene	57		43		38-107	28		50
Hexachlorobenzene	53		53		40-140	0		50
Bis(2-chloroethyl)ether	54		43		40-140	23		50
2-Chloronaphthalene	56		53		40-140	6		50
1,2-Dichlorobenzene	57		41		40-140	33		50
1,3-Dichlorobenzene	56		39	Q	40-140	36		50
1,4-Dichlorobenzene	55		39		28-104	34		50
3,3'-Dichlorobenzidine	41		49		40-140	18		50
2,4-Dinitrotoluene	60		60		40-132	0		50
2,6-Dinitrotoluene	57		59		40-140	3		50
Fluoranthene	58		56		40-140	4		50
4-Chlorophenyl phenyl ether	56		55		40-140	2		50
4-Bromophenyl phenyl ether	58		57		40-140	2		50
Bis(2-chloroisopropyl)ether	36	Q	29	Q	40-140	22		50
Bis(2-chloroethoxy)methane	56		46		40-117	20		50
Hexachlorobutadiene	51		42		40-140	19		50
Hexachlorocyclopentadiene	39	Q	35	Q	40-140	11		50
Hexachloroethane	46		31	Q	40-140	39		50
Isophorone	54		46		40-140	16		50
Naphthalene	58		49		40-140	17		50
Nitrobenzene	54		42		40-140	25		50
NDPA/DPA	60		61		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1751083-2 WG1751083-3								
n-Nitrosodi-n-propylamine	52		45		32-121	14		50
Bis(2-ethylhexyl)phthalate	58		57		40-140	2		50
Butyl benzyl phthalate	58		55		40-140	5		50
Di-n-butylphthalate	56		56		40-140	0		50
Di-n-octylphthalate	59		59		40-140	0		50
Diethyl phthalate	55		54		40-140	2		50
Dimethyl phthalate	56		56		40-140	0		50
Benzo(a)anthracene	56		56		40-140	0		50
Benzo(a)pyrene	61		61		40-140	0		50
Benzo(b)fluoranthene	56		58		40-140	4		50
Benzo(k)fluoranthene	58		59		40-140	2		50
Chrysene	54		56		40-140	4		50
Acenaphthylene	61		61		40-140	0		50
Anthracene	58		56		40-140	4		50
Benzo(ghi)perylene	53		57		40-140	7		50
Fluorene	59		57		40-140	3		50
Phenanthrene	56		54		40-140	4		50
Dibenzo(a,h)anthracene	54		58		40-140	7		50
Indeno(1,2,3-cd)pyrene	60		64		40-140	6		50
Pyrene	57		56		35-142	2		50
Biphenyl	58		55		37-127	5		50
4-Chloroaniline	50		45		40-140	11		50
2-Nitroaniline	62		62		47-134	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1751083-2 WG1751083-3								
3-Nitroaniline	47		50		26-129	6		50
4-Nitroaniline	60		60		41-125	0		50
Dibenzofuran	60		56		40-140	7		50
2-Methylnaphthalene	55		51		40-140	8		50
1,2,4,5-Tetrachlorobenzene	58		54		40-117	7		50
Acetophenone	59		50		14-144	17		50
2,4,6-Trichlorophenol	61		59		30-130	3		50
p-Chloro-m-cresol	57		57		26-103	0		50
2-Chlorophenol	60		48		25-102	22		50
2,4-Dichlorophenol	62		53		30-130	16		50
2,4-Dimethylphenol	50		44		30-130	13		50
2-Nitrophenol	61		48		30-130	24		50
4-Nitrophenol	53		56		11-114	6		50
2,4-Dinitrophenol	49		52		4-130	6		50
4,6-Dinitro-o-cresol	58		60		10-130	3		50
Pentachlorophenol	48		50		17-109	4		50
Phenol	63		54		26-90	15		50
2-Methylphenol	62		53		30-130.	16		50
3-Methylphenol/4-Methylphenol	62		55		30-130	12		50
2,4,5-Trichlorophenol	62		62		30-130	0		50
Benzoic Acid	24		24		10-110	0		50
Benzyl Alcohol	58		50		40-140	15		50
Carbazole	58		58		54-128	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Lab Number: L2310923

Project Number: 0207897

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1751083-2 WG1751083-3								
1,4-Dioxane	43		22	Q	40-140	65	Q	50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		46		25-120
Phenol-d6	60		52		10-120
Nitrobenzene-d5	54		42		23-120
2-Fluorobiphenyl	57		55		30-120
2,4,6-Tribromophenol	51		49		10-136
4-Terphenyl-d14	55		53		18-120

METALS

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-01

Date Collected: 03/02/23 10:35

Client ID: SB04_(0-2')

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11800		mg/kg	9.08	2.45	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.54	0.345	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.31		mg/kg	0.908	0.189	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Barium, Total	53.1		mg/kg	0.908	0.158	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.590		mg/kg	0.454	0.030	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.908	0.089	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Calcium, Total	2590		mg/kg	9.08	3.18	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Chromium, Total	21.3		mg/kg	0.908	0.087	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Cobalt, Total	9.37		mg/kg	1.82	0.151	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Copper, Total	17.0		mg/kg	0.908	0.234	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Iron, Total	16900		mg/kg	4.54	0.820	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Lead, Total	14.2		mg/kg	4.54	0.243	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Magnesium, Total	3300		mg/kg	9.08	1.40	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Manganese, Total	311		mg/kg	0.908	0.144	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Mercury, Total	0.052	J	mg/kg	0.078	0.051	1	03/06/23 23:04	03/07/23 11:16	EPA 7471B	1,7471B	DMB
Nickel, Total	15.2		mg/kg	2.27	0.220	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Potassium, Total	1140		mg/kg	227	13.1	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.82	0.234	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.454	0.257	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Sodium, Total	45.7	J	mg/kg	182	2.86	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Thallium, Total	0.338	J	mg/kg	1.82	0.286	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.2		mg/kg	0.908	0.184	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF
Zinc, Total	55.0		mg/kg	4.54	0.266	2	03/06/23 22:00	03/07/23 14:34	EPA 3050B	1,6010D	JMF



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-02

Date Collected: 03/02/23 10:40

Client ID: SB04_(8-10')

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13600		mg/kg	8.22	2.22	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.11	0.312	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Arsenic, Total	0.604	J	mg/kg	0.822	0.171	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Barium, Total	137		mg/kg	0.822	0.143	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.896		mg/kg	0.411	0.027	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.822	0.081	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Calcium, Total	1000		mg/kg	8.22	2.88	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Chromium, Total	20.1		mg/kg	0.822	0.079	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Cobalt, Total	15.4		mg/kg	1.64	0.136	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Copper, Total	28.6		mg/kg	0.822	0.212	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Iron, Total	22200		mg/kg	4.11	0.742	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Lead, Total	4.01	J	mg/kg	4.11	0.220	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Magnesium, Total	5430		mg/kg	8.22	1.26	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Manganese, Total	328		mg/kg	0.822	0.131	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.068	0.044	1	03/06/23 23:04	03/07/23 11:19	EPA 7471B	1,7471B	DMB
Nickel, Total	24.7		mg/kg	2.05	0.199	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Potassium, Total	7790		mg/kg	205	11.8	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.64	0.212	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.411	0.232	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Sodium, Total	147	J	mg/kg	164	2.59	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Thallium, Total	1.54	J	mg/kg	1.64	0.259	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Vanadium, Total	36.8		mg/kg	0.822	0.167	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF
Zinc, Total	75.1		mg/kg	4.11	0.241	2	03/06/23 22:00	03/07/23 14:39	EPA 3050B	1,6010D	JMF



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23**SAMPLE RESULTS**

Lab ID: L2310923-03

Date Collected: 03/02/23 10:50

Client ID: SB05_(0-2')

Date Received: 03/02/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.00	2.16	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.00	0.304	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.13		mg/kg	0.800	0.166	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Barium, Total	99.4		mg/kg	0.800	0.139	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.513		mg/kg	0.400	0.026	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.800	0.078	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Calcium, Total	486		mg/kg	8.00	2.80	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Chromium, Total	16.8		mg/kg	0.800	0.077	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Cobalt, Total	8.15		mg/kg	1.60	0.133	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Copper, Total	31.4		mg/kg	0.800	0.206	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Iron, Total	18000		mg/kg	4.00	0.723	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Lead, Total	3.43	J	mg/kg	4.00	0.214	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Magnesium, Total	4420		mg/kg	8.00	1.23	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Manganese, Total	128		mg/kg	0.800	0.127	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/06/23 23:04	03/07/23 11:23	EPA 7471B	1,7471B	DMB
Nickel, Total	11.1		mg/kg	2.00	0.194	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Potassium, Total	6310		mg/kg	200	11.5	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.60	0.206	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.400	0.226	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Sodium, Total	149	J	mg/kg	160	2.52	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Thallium, Total	1.06	J	mg/kg	1.60	0.252	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Vanadium, Total	22.0		mg/kg	0.800	0.162	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF
Zinc, Total	50.4		mg/kg	4.00	0.234	2	03/06/23 22:00	03/07/23 14:44	EPA 3050B	1,6010D	JMF



Project Name: 650 SOUTHERN BLVD

Lab Number: L2310923

Project Number: 0207897

Report Date: 03/08/23

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): 01-03 Batch: WG1750904-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Iron, Total	ND		mg/kg	2.00	0.361	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Thallium, Total	0.144	J	mg/kg	0.800	0.126	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/06/23 22:00	03/07/23 12:07	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1750905-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/06/23 23:04	03/07/23 10:04	1,7471B	DMB



Project Name: 650 SOUTHERN BLVD

Lab Number: L2310923

Project Number: 0207897

Report Date: 03/08/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750904-2 SRM Lot Number: D116-540								
Aluminum, Total	70		-		45-155	-		
Antimony, Total	148		-		2-205	-		
Arsenic, Total	102		-		82-119	-		
Barium, Total	82		-		82-118	-		
Beryllium, Total	88		-		82-118	-		
Cadmium, Total	93		-		82-118	-		
Calcium, Total	87		-		81-119	-		
Chromium, Total	90		-		81-118	-		
Cobalt, Total	93		-		83-117	-		
Copper, Total	93		-		83-117	-		
Iron, Total	91		-		58-142	-		
Lead, Total	91		-		83-117	-		
Magnesium, Total	80		-		75-125	-		
Manganese, Total	87		-		82-118	-		
Nickel, Total	89		-		82-118	-		
Potassium, Total	82		-		68-131	-		
Selenium, Total	95		-		78-122	-		
Silver, Total	88		-		79-121	-		
Sodium, Total	89		-		71-130	-		
Thallium, Total	93		-		80-120	-		
Vanadium, Total	92		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750904-2 SRM Lot Number: D116-540					
Zinc, Total	86	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1750905-2 SRM Lot Number: D116-540					
Mercury, Total	91	-	58-142	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

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): 01-03			QC Batch ID: WG1750904-3			QC Sample: L2310806-01			Client ID: MS Sample			
Aluminum, Total	8490	176	12700	2390	Q	-	-		75-125	-		20
Antimony, Total	ND	44	38.8	88		-	-		75-125	-		20
Arsenic, Total	19.8	10.6	33.9	134	Q	-	-		75-125	-		20
Barium, Total	12.7	176	205	109		-	-		75-125	-		20
Beryllium, Total	0.305J	4.4	5.04	114		-	-		75-125	-		20
Cadmium, Total	ND	4.66	4.42	95		-	-		75-125	-		20
Calcium, Total	672	880	1720	119		-	-		75-125	-		20
Chromium, Total	12.5	17.6	32.6	114		-	-		75-125	-		20
Cobalt, Total	12.2	44	57.4	103		-	-		75-125	-		20
Copper, Total	18.0	22	43.8	117		-	-		75-125	-		20
Iron, Total	21800	88	28500	7610	Q	-	-		75-125	-		20
Lead, Total	15.6	46.6	70.2	117		-	-		75-125	-		20
Magnesium, Total	2540	880	3910	156	Q	-	-		75-125	-		20
Manganese, Total	306	44	734	973	Q	-	-		75-125	-		20
Nickel, Total	21.8	44	63.5	95		-	-		75-125	-		20
Potassium, Total	245	880	1280	118		-	-		75-125	-		20
Selenium, Total	ND	10.6	10.3	98		-	-		75-125	-		20
Silver, Total	ND	4.4	4.12	94		-	-		75-125	-		20
Sodium, Total	34.3J	880	988	112		-	-		75-125	-		20
Thallium, Total	ND	10.6	9.30	88		-	-		75-125	-		20
Vanadium, Total	14.0	44	62.6	110		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

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): 01-03			QC Batch ID: WG1750904-3		QC Sample: L2310806-01		Client ID: MS Sample		
Zinc, Total	52.6	44	91.1	87	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1750905-3		QC Sample: L2310806-01		Client ID: MS Sample		
Mercury, Total	ND	1.5	1.51	100	-	-	80-120	-	20

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2310923
Report Date: 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750904-4 QC Sample: L2310806-01 Client ID: DUP Sample						
Aluminum, Total	8490	10900	mg/kg	25	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	19.8	20.2	mg/kg	2		20
Barium, Total	12.7	15.9	mg/kg	22	Q	20
Beryllium, Total	0.305J	0.416J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	672	765	mg/kg	13		20
Chromium, Total	12.5	14.4	mg/kg	14		20
Cobalt, Total	12.2	10.7	mg/kg	13		20
Copper, Total	18.0	19.9	mg/kg	10		20
Iron, Total	21800	27500	mg/kg	23	Q	20
Lead, Total	15.6	13.0	mg/kg	18		20
Magnesium, Total	2540	3060	mg/kg	19		20
Manganese, Total	306	369	mg/kg	19		20
Nickel, Total	21.8	22.7	mg/kg	4		20
Potassium, Total	245	372	mg/kg	41	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	34.3J	42.3J	mg/kg	NC		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750904-4 QC Sample: L2310806-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	14.0	15.6	mg/kg	11	20
Zinc, Total	52.6	49.2	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1750905-4 QC Sample: L2310806-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2310923**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-01**Client ID:** SB04_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/02/23 10:35**Date Received:** 03/02/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	03/03/23 07:51	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2310923

Report Date: 03/08/23

SAMPLE RESULTS

Lab ID: L2310923-02

Client ID: SB04_(8-10')

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/02/23 10:40

Date Received: 03/02/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	03/03/23 07:51	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2310923**Report Date:** 03/08/23**SAMPLE RESULTS****Lab ID:** L2310923-03**Client ID:** SB05_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/02/23 10:50**Date Received:** 03/02/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	03/03/23 07:51	121,2540G	ROI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2310923**Report Date:** 03/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1750667-1 QC Sample: L2311088-02 Client ID: DUP Sample						
Solids, Total	79.3	75.6	%	5		20

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No: 03082318:19
Lab Number: L2310923
Report Date: 03/08/23

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(*)
L2310923-01A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2310923-01B	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-01C	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-01D	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),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2310923-01E	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2310923-01F	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2310923-02A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2310923-02B	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-02C	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-02D	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),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2310923-02E	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2310923-02F	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2310923-03A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2310923-03B	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-03C	Vial water preserved	A	NA		2.5	Y	Absent	03-MAR-23 05:19	NYTCL-8260HLW(14)
L2310923-03D	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),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No:03082318:19
Lab Number: L2310923
Report Date: 03/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2310923-03E	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2310923-03F	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2310923-04A	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L2310923-04B	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)
L2310923-04C	Vial HCl preserved	A	NA		2.5	Y	Absent		NYTCL-8260(14)

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2310923**Project Number:** 0207897**Report Date:** 03/08/23

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: 650 SOUTHERN BLVD
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Footnotes

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

Terms

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

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2310923
Report Date: 03/08/23

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **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.



ANALYTICAL REPORT

Lab Number:	L2315307
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BLVD
Project Number:	0207897
Report Date:	03/27/23

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

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



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2315307-01	SB07_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 08:00	03/23/23
L2315307-02	SB07_(4-6')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 08:10	03/23/23
L2315307-03	SB08_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 08:55	03/23/23
L2315307-04	SB08_(5-7')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 09:00	03/23/23
L2315307-05	SB09_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 09:35	03/23/23
L2315307-06	SB09_(5-7')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 09:30	03/23/23
L2315307-07	SB10_(0-2')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 10:30	03/23/23
L2315307-08	SB10_(5-7')	SOIL	650 SOUTHERN BLVD, BRONX, NY	03/23/23 10:25	03/23/23

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

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.

Total Metals

L2315307-01 through -08: 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:  Kelly O'Neill

Title: Technical Director/Representative

Date: 03/27/23

ORGANICS

VOLATILES

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-01
 Client ID: SB07_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:00
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/25/23 13:16
 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	12	5.4	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.34	1
Chloroform	ND		ug/kg	3.5	0.33	1
Carbon tetrachloride	ND		ug/kg	2.3	0.54	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.29	1
Dibromochloromethane	ND		ug/kg	2.3	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.63	1
Tetrachloroethene	3.6		ug/kg	1.2	0.46	1
Chlorobenzene	ND		ug/kg	1.2	0.30	1
Trichlorofluoromethane	ND		ug/kg	9.4	1.6	1
1,2-Dichloroethane	ND		ug/kg	2.3	0.60	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.39	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	2.3	0.64	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.37	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.37	1
1,1-Dichloropropene	ND		ug/kg	1.2	0.37	1
Bromoform	ND		ug/kg	9.4	0.58	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Benzene	ND		ug/kg	1.2	0.39	1
Toluene	ND		ug/kg	2.3	1.3	1
Ethylbenzene	ND		ug/kg	2.3	0.33	1
Chloromethane	ND		ug/kg	9.4	2.2	1
Bromomethane	ND		ug/kg	4.7	1.4	1
Vinyl chloride	ND		ug/kg	2.3	0.79	1
Chloroethane	ND		ug/kg	4.7	1.1	1
1,1-Dichloroethene	ND		ug/kg	2.3	0.56	1
trans-1,2-Dichloroethene	ND		ug/kg	3.5	0.32	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-01**Date Collected:** 03/23/23 08:00**Client ID:** SB07_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.2	0.32	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.34	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.35	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.40	1
Methyl tert butyl ether	ND		ug/kg	4.7	0.47	1
p/m-Xylene	ND		ug/kg	4.7	1.3	1
o-Xylene	ND		ug/kg	2.3	0.68	1
Xylenes, Total	ND		ug/kg	2.3	0.68	1
cis-1,2-Dichloroethene	ND		ug/kg	2.3	0.41	1
1,2-Dichloroethene, Total	ND		ug/kg	2.3	0.32	1
Dibromomethane	ND		ug/kg	4.7	0.56	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	23	2.1	1
Acetone	ND		ug/kg	23	11.	1
Carbon disulfide	ND		ug/kg	23	11.	1
2-Butanone	ND		ug/kg	23	5.2	1
Vinyl acetate	ND		ug/kg	23	5.0	1
4-Methyl-2-pentanone	ND		ug/kg	23	3.0	1
1,2,3-Trichloropropane	ND		ug/kg	4.7	0.30	1
2-Hexanone	ND		ug/kg	23	2.8	1
Bromochloromethane	ND		ug/kg	4.7	0.48	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.47	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.66	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.39	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.31	1
Bromobenzene	ND		ug/kg	4.7	0.34	1
n-Butylbenzene	ND		ug/kg	2.3	0.39	1
sec-Butylbenzene	ND		ug/kg	2.3	0.34	1
tert-Butylbenzene	ND		ug/kg	4.7	0.28	1
o-Chlorotoluene	ND		ug/kg	4.7	0.45	1
p-Chlorotoluene	ND		ug/kg	4.7	0.25	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	2.3	1
Hexachlorobutadiene	ND		ug/kg	9.4	0.40	1
Isopropylbenzene	ND		ug/kg	2.3	0.26	1
p-Isopropyltoluene	ND		ug/kg	2.3	0.26	1
Naphthalene	ND		ug/kg	9.4	1.5	1
Acrylonitrile	ND		ug/kg	9.4	2.7	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-01**Date Collected:** 03/23/23 08:00**Client ID:** SB07_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.3	0.40	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.76	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.64	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.45	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.78	1
1,4-Dioxane	ND		ug/kg	190	82.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.42	1
p-Ethyltoluene	ND		ug/kg	4.7	0.90	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.45	1
Ethyl ether	ND		ug/kg	4.7	0.80	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	3.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-02
 Client ID: SB07_(4-6')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:10
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/24/23 19:00
 Analyst: AJK
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-02**Date Collected:** 03/23/23 08:10**Client ID:** SB07_(4-6')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-02**Date Collected:** 03/23/23 08:10**Client ID:** SB07_(4-6')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-03
 Client ID: SB08_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:55
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/24/23 19:27
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.1		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-03

Date Collected: 03/23/23 08:55

Client ID: SB08_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	5.0	J	ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-03**Date Collected:** 03/23/23 08:55**Client ID:** SB08_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-04
 Client ID: SB08_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:00
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/25/23 13:37
 Analyst: AJK
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.8	3.6	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.22	1
Chloroform	ND		ug/kg	2.3	0.22	1
Carbon tetrachloride	ND		ug/kg	1.6	0.36	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.19	1
Dibromochloromethane	ND		ug/kg	1.6	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.41	1
Tetrachloroethene	ND		ug/kg	0.78	0.30	1
Chlorobenzene	ND		ug/kg	0.78	0.20	1
Trichlorofluoromethane	ND		ug/kg	6.2	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.40	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	0.26	1
Bromodichloromethane	ND		ug/kg	0.78	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.42	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.78	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.78	0.25	1
Bromoform	ND		ug/kg	6.2	0.38	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	0.26	1
Benzene	ND		ug/kg	0.78	0.26	1
Toluene	ND		ug/kg	1.6	0.84	1
Ethylbenzene	ND		ug/kg	1.6	0.22	1
Chloromethane	ND		ug/kg	6.2	1.4	1
Bromomethane	ND		ug/kg	3.1	0.90	1
Vinyl chloride	ND		ug/kg	1.6	0.52	1
Chloroethane	ND		ug/kg	3.1	0.70	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.21	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-04

Date Collected: 03/23/23 09:00

Client ID: SB08_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.78	0.21	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.23	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.1	0.31	1
p/m-Xylene	ND		ug/kg	3.1	0.87	1
o-Xylene	ND		ug/kg	1.6	0.45	1
Xylenes, Total	ND		ug/kg	1.6	0.45	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.21	1
Dibromomethane	ND		ug/kg	3.1	0.37	1
Styrene	ND		ug/kg	1.6	0.30	1
Dichlorodifluoromethane	ND		ug/kg	16	1.4	1
Acetone	ND		ug/kg	16	7.5	1
Carbon disulfide	ND		ug/kg	16	7.1	1
2-Butanone	ND		ug/kg	16	3.4	1
Vinyl acetate	ND		ug/kg	16	3.3	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.0	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	0.20	1
2-Hexanone	ND		ug/kg	16	1.8	1
Bromochloromethane	ND		ug/kg	3.1	0.32	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.31	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.43	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.22	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	3.1	0.18	1
o-Chlorotoluene	ND		ug/kg	3.1	0.30	1
p-Chlorotoluene	ND		ug/kg	3.1	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.26	1
Isopropylbenzene	ND		ug/kg	1.6	0.17	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.17	1
Naphthalene	ND		ug/kg	6.2	1.0	1
Acrylonitrile	ND		ug/kg	6.2	1.8	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-04**Date Collected:** 03/23/23 09:00**Client ID:** SB08_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.50	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.42	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.30	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.52	1
1,4-Dioxane	ND		ug/kg	120	54.	1
p-Diethylbenzene	ND		ug/kg	3.1	0.28	1
p-Ethyltoluene	ND		ug/kg	3.1	0.60	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.1	0.30	1
Ethyl ether	ND		ug/kg	3.1	0.53	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.8	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-05
 Client ID: SB09_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:35
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/25/23 13:58
 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	8.2	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	0.78	J	ug/kg	0.82	0.32	1
Chlorobenzene	ND		ug/kg	0.82	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.27	1
Bromodichloromethane	ND		ug/kg	0.82	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.82	0.26	1
Bromoform	ND		ug/kg	6.6	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.27	1
Benzene	ND		ug/kg	0.82	0.27	1
Toluene	ND		ug/kg	1.6	0.89	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.95	1
Vinyl chloride	ND		ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.22	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-05

Date Collected: 03/23/23 09:35

Client ID: SB09_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.82	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.92	1
o-Xylene	ND		ug/kg	1.6	0.48	1
Xylenes, Total	ND		ug/kg	1.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.3	0.39	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	ND		ug/kg	16	7.9	1
Carbon disulfide	ND		ug/kg	16	7.5	1
2-Butanone	ND		ug/kg	16	3.6	1
Vinyl acetate	ND		ug/kg	16	3.5	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.46	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.19	1
o-Chlorotoluene	ND		ug/kg	3.3	0.31	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.28	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.18	1
Naphthalene	ND		ug/kg	6.6	1.1	1
Acrylonitrile	ND		ug/kg	6.6	1.9	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-05**Date Collected:** 03/23/23 09:35**Client ID:** SB09_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.53	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.55	1
1,4-Dioxane	ND		ug/kg	130	58.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.29	1
p-Ethyltoluene	ND		ug/kg	3.3	0.63	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.31	1
Ethyl ether	ND		ug/kg	3.3	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	2.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-06
 Client ID: SB09_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:30
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/24/23 19:54
 Analyst: AJK
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-06

Date Collected: 03/23/23 09:30

Client ID: SB09_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.84	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.2	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-06**Date Collected:** 03/23/23 09:30**Client ID:** SB09_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-07
 Client ID: SB10_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 10:30
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/25/23 14:18
 Analyst: AJK
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	4.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.29	1
Chloroform	ND		ug/kg	3.0	0.28	1
Carbon tetrachloride	ND		ug/kg	2.0	0.45	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.25	1
Dibromochloromethane	ND		ug/kg	2.0	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.53	1
Tetrachloroethene	ND		ug/kg	0.99	0.39	1
Chlorobenzene	ND		ug/kg	0.99	0.25	1
Trichlorofluoromethane	ND		ug/kg	7.9	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.51	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.33	1
Bromodichloromethane	ND		ug/kg	0.99	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.54	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.31	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.31	1
1,1-Dichloropropene	ND		ug/kg	0.99	0.31	1
Bromoform	ND		ug/kg	7.9	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.33	1
Benzene	ND		ug/kg	0.99	0.33	1
Toluene	ND		ug/kg	2.0	1.1	1
Ethylbenzene	ND		ug/kg	2.0	0.28	1
Chloromethane	ND		ug/kg	7.9	1.8	1
Bromomethane	ND		ug/kg	4.0	1.1	1
Vinyl chloride	ND		ug/kg	2.0	0.66	1
Chloroethane	ND		ug/kg	4.0	0.89	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.47	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.27	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-07**Date Collected:** 03/23/23 10:30**Client ID:** SB10_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.99	0.27	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.29	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.34	1
Methyl tert butyl ether	ND		ug/kg	4.0	0.40	1
p/m-Xylene	ND		ug/kg	4.0	1.1	1
o-Xylene	ND		ug/kg	2.0	0.57	1
Xylenes, Total	ND		ug/kg	2.0	0.57	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.34	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.27	1
Dibromomethane	ND		ug/kg	4.0	0.47	1
Styrene	ND		ug/kg	2.0	0.39	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	12	J	ug/kg	20	9.5	1
Carbon disulfide	ND		ug/kg	20	9.0	1
2-Butanone	ND		ug/kg	20	4.4	1
Vinyl acetate	ND		ug/kg	20	4.2	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.5	1
1,2,3-Trichloropropane	ND		ug/kg	4.0	0.25	1
2-Hexanone	ND		ug/kg	20	2.3	1
Bromochloromethane	ND		ug/kg	4.0	0.40	1
2,2-Dichloropropane	ND		ug/kg	4.0	0.40	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.55	1
1,3-Dichloropropane	ND		ug/kg	4.0	0.33	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.26	1
Bromobenzene	ND		ug/kg	4.0	0.29	1
n-Butylbenzene	ND		ug/kg	2.0	0.33	1
sec-Butylbenzene	ND		ug/kg	2.0	0.29	1
tert-Butylbenzene	ND		ug/kg	4.0	0.23	1
o-Chlorotoluene	ND		ug/kg	4.0	0.38	1
p-Chlorotoluene	ND		ug/kg	4.0	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	2.0	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.33	1
Isopropylbenzene	ND		ug/kg	2.0	0.22	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.22	1
Naphthalene	ND		ug/kg	7.9	1.3	1
Acrylonitrile	ND		ug/kg	7.9	2.3	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-07**Date Collected:** 03/23/23 10:30**Client ID:** SB10_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.0	0.34	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.64	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.54	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	0.38	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	0.66	1
1,4-Dioxane	ND		ug/kg	160	69.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.35	1
p-Ethyltoluene	ND		ug/kg	4.0	0.76	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.38	1
Ethyl ether	ND		ug/kg	4.0	0.67	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.9	2.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-08
 Client ID: SB10_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 10:25
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 03/24/23 20:22
 Analyst: AJK
 Percent Solids: 95%

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

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-08**Date Collected:** 03/23/23 10:25**Client ID:** SB10_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	20		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-08**Date Collected:** 03/23/23 10:25**Client ID:** SB10_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	106		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/25/23 10:30
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1759046-5					
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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/25/23 10:30
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1759046-5					
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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/25/23 10:30
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,04-05,07 Batch: WG1759046-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 11:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06,08 Batch: WG1759066-5					
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	1.2	J	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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 11:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06,08 Batch: WG1759066-5					
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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/24/23 11:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03,06,08 Batch: WG1759066-5					
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	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1759046-3 WG1759046-4								
Methylene chloride	99		104		70-130	5		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	108		111		70-130	3		30
Carbon tetrachloride	112		114		70-130	2		30
1,2-Dichloropropane	103		104		70-130	1		30
Dibromochloromethane	106		108		70-130	2		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	98		98		70-130	0		30
Chlorobenzene	104		105		70-130	1		30
Trichlorofluoromethane	117		120		70-139	3		30
1,2-Dichloroethane	109		110		70-130	1		30
1,1,1-Trichloroethane	114		115		70-130	1		30
Bromodichloromethane	115		120		70-130	4		30
trans-1,3-Dichloropropene	103		104		70-130	1		30
cis-1,3-Dichloropropene	113		117		70-130	3		30
1,1-Dichloropropene	112		112		70-130	0		30
Bromoform	101		103		70-130	2		30
1,1,2,2-Tetrachloroethane	100		102		70-130	2		30
Benzene	108		109		70-130	1		30
Toluene	105		102		70-130	3		30
Ethylbenzene	104		107		70-130	3		30
Chloromethane	74		75		52-130	1		30
Bromomethane	109		110		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1759046-3 WG1759046-4								
Vinyl chloride	86		86		67-130	0		30
Chloroethane	109		111		50-151	2		30
1,1-Dichloroethene	106		111		65-135	5		30
trans-1,2-Dichloroethene	105		105		70-130	0		30
Trichloroethene	108		113		70-130	5		30
1,2-Dichlorobenzene	103		106		70-130	3		30
1,3-Dichlorobenzene	104		107		70-130	3		30
1,4-Dichlorobenzene	104		106		70-130	2		30
Methyl tert butyl ether	108		110		66-130	2		30
p/m-Xylene	106		109		70-130	3		30
o-Xylene	105		108		70-130	3		30
cis-1,2-Dichloroethene	100		103		70-130	3		30
Dibromomethane	108		112		70-130	4		30
Styrene	108		110		70-130	2		30
Dichlorodifluoromethane	93		94		30-146	1		30
Acetone	157	Q	157	Q	54-140	0		30
Carbon disulfide	98		100		59-130	2		30
2-Butanone	90		93		70-130	3		30
Vinyl acetate	105		102		70-130	3		30
4-Methyl-2-pentanone	88		91		70-130	3		30
1,2,3-Trichloropropane	104		111		68-130	7		30
2-Hexanone	91		95		70-130	4		30
Bromochloromethane	105		109		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1759046-3 WG1759046-4								
2,2-Dichloropropane	107		109		70-130	2		30
1,2-Dibromoethane	101		105		70-130	4		30
1,3-Dichloropropane	104		105		69-130	1		30
1,1,1,2-Tetrachloroethane	108		109		70-130	1		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	108		112		70-130	4		30
sec-Butylbenzene	107		110		70-130	3		30
tert-Butylbenzene	104		108		70-130	4		30
o-Chlorotoluene	105		110		70-130	5		30
p-Chlorotoluene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	92		96		68-130	4		30
Hexachlorobutadiene	110		112		67-130	2		30
Isopropylbenzene	104		108		70-130	4		30
p-Isopropyltoluene	106		109		70-130	3		30
Naphthalene	98		102		70-130	4		30
Acrylonitrile	93		94		70-130	1		30
n-Propylbenzene	106		108		70-130	2		30
1,2,3-Trichlorobenzene	106		108		70-130	2		30
1,2,4-Trichlorobenzene	106		109		70-130	3		30
1,3,5-Trimethylbenzene	104		108		70-130	4		30
1,2,4-Trimethylbenzene	104		107		70-130	3		30
1,4-Dioxane	105		108		65-136	3		30
p-Diethylbenzene	104		109		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,04-05,07 Batch: WG1759046-3 WG1759046-4								
p-Ethyltoluene	104		106		70-130	2		30
1,2,4,5-Tetramethylbenzene	104		107		70-130	3		30
Ethyl ether	102		107		67-130	5		30
trans-1,4-Dichloro-2-butene	105		108		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		103		70-130
Toluene-d8	106		99		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	103		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06,08 Batch: WG1759066-3 WG1759066-4								
Methylene chloride	81		81		70-130	0		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	94		97		70-130	3		30
Carbon tetrachloride	97		102		70-130	5		30
1,2-Dichloropropane	98		98		70-130	0		30
Dibromochloromethane	94		94		70-130	0		30
1,1,2-Trichloroethane	91		91		70-130	0		30
Tetrachloroethene	102		106		70-130	4		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	100		104		70-139	4		30
1,2-Dichloroethane	91		90		70-130	1		30
1,1,1-Trichloroethane	98		102		70-130	4		30
Bromodichloromethane	93		93		70-130	0		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	93		93		70-130	0		30
1,1-Dichloropropene	98		100		70-130	2		30
Bromoform	88		87		70-130	1		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	94		95		70-130	1		30
Toluene	99		100		70-130	1		30
Ethylbenzene	102		104		70-130	2		30
Chloromethane	90		90		52-130	0		30
Bromomethane	81		82		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06,08 Batch: WG1759066-3 WG1759066-4								
Vinyl chloride	85		89		67-130	5		30
Chloroethane	96		98		50-151	2		30
1,1-Dichloroethene	91		97		65-135	6		30
trans-1,2-Dichloroethene	90		94		70-130	4		30
Trichloroethene	99		100		70-130	1		30
1,2-Dichlorobenzene	102		102		70-130	0		30
1,3-Dichlorobenzene	107		106		70-130	1		30
1,4-Dichlorobenzene	104		102		70-130	2		30
Methyl tert butyl ether	80		79		66-130	1		30
p/m-Xylene	104		106		70-130	2		30
o-Xylene	105		106		70-130	1		30
cis-1,2-Dichloroethene	92		95		70-130	3		30
Dibromomethane	86		87		70-130	1		30
Styrene	106		108		70-130	2		30
Dichlorodifluoromethane	84		88		30-146	5		30
Acetone	92		92		54-140	0		30
Carbon disulfide	137	Q	143	Q	59-130	4		30
2-Butanone	89		88		70-130	1		30
Vinyl acetate	94		92		70-130	2		30
4-Methyl-2-pentanone	72		71		70-130	1		30
1,2,3-Trichloropropane	88		85		68-130	3		30
2-Hexanone	83		83		70-130	0		30
Bromochloromethane	82		82		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06,08 Batch: WG1759066-3 WG1759066-4								
2,2-Dichloropropane	86		86		70-130	0		30
1,2-Dibromoethane	92		90		70-130	2		30
1,3-Dichloropropane	90		90		69-130	0		30
1,1,1,2-Tetrachloroethane	105		105		70-130	0		30
Bromobenzene	102		102		70-130	0		30
n-Butylbenzene	119		117		70-130	2		30
sec-Butylbenzene	115		115		70-130	0		30
tert-Butylbenzene	112		113		70-130	1		30
o-Chlorotoluene	108		107		70-130	1		30
p-Chlorotoluene	107		106		70-130	1		30
1,2-Dibromo-3-chloropropane	74		77		68-130	4		30
Hexachlorobutadiene	106		106		67-130	0		30
Isopropylbenzene	112		113		70-130	1		30
p-Isopropyltoluene	113		114		70-130	1		30
Naphthalene	89		84		70-130	6		30
Acrylonitrile	92		88		70-130	4		30
n-Propylbenzene	112		113		70-130	1		30
1,2,3-Trichlorobenzene	102		97		70-130	5		30
1,2,4-Trichlorobenzene	104		101		70-130	3		30
1,3,5-Trimethylbenzene	112		110		70-130	2		30
1,2,4-Trimethylbenzene	111		110		70-130	1		30
1,4-Dioxane	82		74		65-136	10		30
p-Diethylbenzene	112		113		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03,06,08 Batch: WG1759066-3 WG1759066-4								
p-Ethyltoluene	112		112		70-130	0		30
1,2,4,5-Tetramethylbenzene	106		104		70-130	2		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	101		99		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	99		97		70-130

SEMIVOLATILES

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-01
 Client ID: SB07_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:00
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 17:15
 Analyst: CMM
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	490		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	4400		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	340		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: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-01**Date Collected:** 03/23/23 08:00**Client ID:** SB07_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	2800		ug/kg	110	21.	1
Benzo(a)pyrene	2600		ug/kg	150	46.	1
Benzo(b)fluoranthene	2900		ug/kg	110	32.	1
Benzo(k)fluoranthene	880		ug/kg	110	30.	1
Chrysene	3000		ug/kg	110	19.	1
Acenaphthylene	280		ug/kg	150	29.	1
Anthracene	1200		ug/kg	110	36.	1
Benzo(ghi)perylene	1700		ug/kg	150	22.	1
Fluorene	420		ug/kg	190	18.	1
Phenanthrene	5600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	350		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	26.	1
Pyrene	5100		ug/kg	110	19.	1
Biphenyl	67	J	ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	270		ug/kg	190	18.	1
2-Methylnaphthalene	210	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-01**Date Collected:** 03/23/23 08:00**Client ID:** SB07_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	320		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	55		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-02
 Client ID: SB07_(4-6')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:10
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 07:34
 Analyst: JG
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	340		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	26	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	370		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-02**Date Collected:** 03/23/23 08:10**Client ID:** SB07_(4-6')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	140		ug/kg	100	19.	1
Benzo(a)pyrene	130	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	160		ug/kg	100	29.	1
Benzo(k)fluoranthene	41	J	ug/kg	100	28.	1
Chrysene	140		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	64	J	ug/kg	100	34.	1
Benzo(ghi)perylene	78	J	ug/kg	140	20.	1
Fluorene	20	J	ug/kg	170	17.	1
Phenanthrene	310		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	62	J	ug/kg	140	24.	1
Pyrene	340		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-02**Date Collected:** 03/23/23 08:10**Client ID:** SB07_(4-6')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	12		10-136
4-Terphenyl-d14	59		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-03
 Client ID: SB08_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:55
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 16:51
 Analyst: CMM
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	44	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	170	J	ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-03**Date Collected:** 03/23/23 08:55**Client ID:** SB08_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	26	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	33	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	42	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	25	J	ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	46	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	25.	1
Pyrene	48	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-03**Date Collected:** 03/23/23 08:55**Client ID:** SB08_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	42		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-04
 Client ID: SB08_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:00
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 06:29
 Analyst: JG
 Percent Solids: 91%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-04

Date Collected: 03/23/23 09:00

Client ID: SB08_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	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	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	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-04**Date Collected:** 03/23/23 09:00**Client ID:** SB08_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	44		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-05
 Client ID: SB09_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:35
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 06:13
 Analyst: JG
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

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	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	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	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-05

Date Collected: 03/23/23 09:35

Client ID: SB09_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

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

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-05**Date Collected:** 03/23/23 09:35**Client ID:** SB09_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	50		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-06
 Client ID: SB09_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 09:30
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 05:25
 Analyst: JG
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

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	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	23	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-06

Date Collected: 03/23/23 09:30

Client ID: SB09_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	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	28.	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	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	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-06**Date Collected:** 03/23/23 09:30**Client ID:** SB09_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	53		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-07
 Client ID: SB10_(0-2')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 10:30
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 07:18
 Analyst: JG
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

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	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	23.	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	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-07

Date Collected: 03/23/23 10:30

Client ID: SB10_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	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	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	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: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-07**Date Collected:** 03/23/23 10:30**Client ID:** SB10_(0-2')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	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	59		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	53		18-120

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-08
 Client ID: SB10_(5-7')
 Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 10:25
 Date Received: 03/23/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 03/25/23 17:39
 Analyst: CMM
 Percent Solids: 95%

Extraction Method: EPA 3546
 Extraction Date: 03/24/23 08:38

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	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	80	J	ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-08**Date Collected:** 03/23/23 10:25**Client ID:** SB10_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-08**Date Collected:** 03/23/23 10:25**Client ID:** SB10_(5-7')**Date Received:** 03/23/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	63		18-120

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/24/23 21:21
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/24/23 08:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1758415-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
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	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/24/23 21:21
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/24/23 08:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1758415-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/24/23 21:21
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 03/24/23 08:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1758415-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	57		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1758415-2 WG1758415-3								
Acenaphthene	55		51		31-137	8		50
1,2,4-Trichlorobenzene	56		52		38-107	7		50
Hexachlorobenzene	56		51		40-140	9		50
Bis(2-chloroethyl)ether	52		47		40-140	10		50
2-Chloronaphthalene	58		52		40-140	11		50
1,2-Dichlorobenzene	56		50		40-140	11		50
1,3-Dichlorobenzene	55		51		40-140	8		50
1,4-Dichlorobenzene	55		50		28-104	10		50
3,3'-Dichlorobenzidine	57		53		40-140	7		50
2,4-Dinitrotoluene	80		71		40-132	12		50
2,6-Dinitrotoluene	75		66		40-140	13		50
Fluoranthene	58		52		40-140	11		50
4-Chlorophenyl phenyl ether	56		50		40-140	11		50
4-Bromophenyl phenyl ether	56		52		40-140	7		50
Bis(2-chloroisopropyl)ether	49		44		40-140	11		50
Bis(2-chloroethoxy)methane	53		48		40-117	10		50
Hexachlorobutadiene	56		51		40-140	9		50
Hexachlorocyclopentadiene	65		59		40-140	10		50
Hexachloroethane	58		52		40-140	11		50
Isophorone	52		47		40-140	10		50
Naphthalene	56		50		40-140	11		50
Nitrobenzene	54		49		40-140	10		50
NDPA/DPA	58		52		36-157	11		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1758415-2 WG1758415-3								
n-Nitrosodi-n-propylamine	53		49		32-121	8		50
Bis(2-ethylhexyl)phthalate	65		57		40-140	13		50
Butyl benzyl phthalate	62		56		40-140	10		50
Di-n-butylphthalate	62		56		40-140	10		50
Di-n-octylphthalate	67		59		40-140	13		50
Diethyl phthalate	58		53		40-140	9		50
Dimethyl phthalate	60		55		40-140	9		50
Benzo(a)anthracene	60		54		40-140	11		50
Benzo(a)pyrene	67		58		40-140	14		50
Benzo(b)fluoranthene	65		55		40-140	17		50
Benzo(k)fluoranthene	62		57		40-140	8		50
Chrysene	60		52		40-140	14		50
Acenaphthylene	59		53		40-140	11		50
Anthracene	59		54		40-140	9		50
Benzo(ghi)perylene	60		54		40-140	11		50
Fluorene	55		50		40-140	10		50
Phenanthrene	58		52		40-140	11		50
Dibenzo(a,h)anthracene	57		52		40-140	9		50
Indeno(1,2,3-cd)pyrene	64		58		40-140	10		50
Pyrene	57		52		35-142	9		50
Biphenyl	58		53		37-127	9		50
4-Chloroaniline	41		38	Q	40-140	8		50
2-Nitroaniline	74		67		47-134	10		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1758415-2 WG1758415-3								
3-Nitroaniline	52		50		26-129	4		50
4-Nitroaniline	61		56		41-125	9		50
Dibenzofuran	56		50		40-140	11		50
2-Methylnaphthalene	57		52		40-140	9		50
1,2,4,5-Tetrachlorobenzene	61		53		40-117	14		50
Acetophenone	61		56		14-144	9		50
2,4,6-Trichlorophenol	67		62		30-130	8		50
p-Chloro-m-cresol	63		58		26-103	8		50
2-Chlorophenol	63		56		25-102	12		50
2,4-Dichlorophenol	63		57		30-130	10		50
2,4-Dimethylphenol	58		52		30-130	11		50
2-Nitrophenol	77		69		30-130	11		50
4-Nitrophenol	56		48		11-114	15		50
2,4-Dinitrophenol	63		52		4-130	19		50
4,6-Dinitro-o-cresol	86		76		10-130	12		50
Pentachlorophenol	60		51		17-109	16		50
Phenol	58		52		26-90	11		50
2-Methylphenol	56		50		30-130.	11		50
3-Methylphenol/4-Methylphenol	58		52		30-130	11		50
2,4,5-Trichlorophenol	67		60		30-130	11		50
Benzoic Acid	36		25		10-110	36		50
Benzyl Alcohol	55		50		40-140	10		50
Carbazole	59		54		54-128	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1758415-2 WG1758415-3								
1,4-Dioxane	46		41		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		57		25-120
Phenol-d6	60		54		10-120
Nitrobenzene-d5	60		54		23-120
2-Fluorobiphenyl	57		53		30-120
2,4,6-Tribromophenol	66		59		10-136
4-Terphenyl-d14	55		49		18-120

METALS

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-01

Date Collected: 03/23/23 08:00

Client ID: SB07_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18500		mg/kg	8.62	2.33	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Antimony, Total	1.62	J	mg/kg	4.31	0.327	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Arsenic, Total	2.99		mg/kg	0.862	0.179	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Barium, Total	120		mg/kg	0.862	0.150	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.851		mg/kg	0.431	0.028	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.862	0.084	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Calcium, Total	1800		mg/kg	8.62	3.02	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Chromium, Total	33.5		mg/kg	0.862	0.083	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Cobalt, Total	14.8		mg/kg	1.72	0.143	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Copper, Total	54.6		mg/kg	0.862	0.222	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Iron, Total	26900		mg/kg	4.31	0.778	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Lead, Total	27.2		mg/kg	4.31	0.231	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Magnesium, Total	5440		mg/kg	8.62	1.33	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Manganese, Total	873		mg/kg	0.862	0.137	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.073	0.048	1	03/24/23 09:45	03/24/23 12:13	EPA 7471B	1,7471B	DMB
Nickel, Total	32.3		mg/kg	2.15	0.208	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Potassium, Total	5510		mg/kg	215	12.4	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.72	0.222	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.431	0.244	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Sodium, Total	223		mg/kg	172	2.71	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Thallium, Total	1.19	J	mg/kg	1.72	0.271	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Vanadium, Total	46.2		mg/kg	0.862	0.175	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW
Zinc, Total	73.6		mg/kg	4.31	0.252	2	03/24/23 08:35	03/26/23 11:25	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-02

Date Collected: 03/23/23 08:10

Client ID: SB07_(4-6')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	19600		mg/kg	8.03	2.17	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Antimony, Total	1.90	J	mg/kg	4.01	0.305	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.803	0.167	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Barium, Total	137		mg/kg	0.803	0.140	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.704		mg/kg	0.401	0.027	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.803	0.079	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Calcium, Total	810		mg/kg	8.03	2.81	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Chromium, Total	31.6		mg/kg	0.803	0.077	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Cobalt, Total	16.9		mg/kg	1.60	0.133	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Copper, Total	24.7		mg/kg	0.803	0.207	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Iron, Total	31000		mg/kg	4.01	0.725	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Lead, Total	3.42	J	mg/kg	4.01	0.215	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Magnesium, Total	7050		mg/kg	8.03	1.24	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Manganese, Total	356		mg/kg	0.803	0.128	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.066	0.043	1	03/24/23 09:45	03/24/23 12:16	EPA 7471B	1,7471B	DMB
Nickel, Total	32.0		mg/kg	2.01	0.194	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Potassium, Total	10900		mg/kg	201	11.6	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.60	0.207	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.401	0.227	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Sodium, Total	290		mg/kg	160	2.53	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Thallium, Total	1.47	J	mg/kg	1.60	0.253	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Vanadium, Total	42.8		mg/kg	0.803	0.163	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW
Zinc, Total	80.0		mg/kg	4.01	0.235	2	03/24/23 08:35	03/26/23 11:30	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-03

Date Collected: 03/23/23 08:55

Client ID: SB08_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15000		mg/kg	8.43	2.28	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Antimony, Total	1.01	J	mg/kg	4.21	0.320	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Arsenic, Total	1.58		mg/kg	0.843	0.175	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Barium, Total	93.0		mg/kg	0.843	0.147	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.744		mg/kg	0.421	0.028	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.843	0.083	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Calcium, Total	931		mg/kg	8.43	2.95	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Chromium, Total	28.6		mg/kg	0.843	0.081	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Cobalt, Total	13.2		mg/kg	1.68	0.140	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Copper, Total	35.8		mg/kg	0.843	0.217	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Iron, Total	23100		mg/kg	4.21	0.761	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Lead, Total	6.42		mg/kg	4.21	0.226	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Magnesium, Total	4990		mg/kg	8.43	1.30	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Manganese, Total	718		mg/kg	0.843	0.134	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.070	0.046	1	03/24/23 09:45	03/24/23 12:19	EPA 7471B	1,7471B	DMB
Nickel, Total	26.0		mg/kg	2.11	0.204	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Potassium, Total	5120		mg/kg	211	12.1	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.68	0.217	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.421	0.238	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Sodium, Total	181		mg/kg	168	2.65	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Thallium, Total	0.668	J	mg/kg	1.68	0.265	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Vanadium, Total	40.5		mg/kg	0.843	0.171	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW
Zinc, Total	47.9		mg/kg	4.21	0.247	2	03/24/23 08:35	03/26/23 12:15	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-04

Date Collected: 03/23/23 09:00

Client ID: SB08_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15100		mg/kg	8.36	2.26	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Antimony, Total	1.40	J	mg/kg	4.18	0.318	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Arsenic, Total	0.268	J	mg/kg	0.836	0.174	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Barium, Total	133		mg/kg	0.836	0.146	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.741		mg/kg	0.418	0.028	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.836	0.082	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Calcium, Total	1070		mg/kg	8.36	2.93	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Chromium, Total	24.8		mg/kg	0.836	0.080	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Cobalt, Total	10.8		mg/kg	1.67	0.139	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Copper, Total	21.4		mg/kg	0.836	0.216	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Iron, Total	23700		mg/kg	4.18	0.755	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Lead, Total	4.20		mg/kg	4.18	0.224	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Magnesium, Total	5930		mg/kg	8.36	1.29	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Manganese, Total	214		mg/kg	0.836	0.133	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/24/23 09:45	03/24/23 12:23	EPA 7471B	1,7471B	DMB
Nickel, Total	19.2		mg/kg	2.09	0.202	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Potassium, Total	9180		mg/kg	209	12.0	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.67	0.216	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.418	0.237	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Sodium, Total	196		mg/kg	167	2.64	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Thallium, Total	1.49	J	mg/kg	1.67	0.264	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Vanadium, Total	35.4		mg/kg	0.836	0.170	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW
Zinc, Total	81.4		mg/kg	4.18	0.245	2	03/24/23 08:35	03/26/23 12:20	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-05

Date Collected: 03/23/23 09:35

Client ID: SB09_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

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	19100		mg/kg	8.79	2.37	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Antimony, Total	1.52	J	mg/kg	4.40	0.334	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Arsenic, Total	1.12		mg/kg	0.879	0.183	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Barium, Total	116		mg/kg	0.879	0.153	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.815		mg/kg	0.440	0.029	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.879	0.086	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Calcium, Total	1320		mg/kg	8.79	3.08	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Chromium, Total	37.8		mg/kg	0.879	0.084	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Cobalt, Total	13.2		mg/kg	1.76	0.146	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Copper, Total	39.8		mg/kg	0.879	0.227	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Iron, Total	27600		mg/kg	4.40	0.794	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Lead, Total	6.84		mg/kg	4.40	0.236	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Magnesium, Total	5800		mg/kg	8.79	1.35	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Manganese, Total	560		mg/kg	0.879	0.140	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.073	0.047	1	03/24/23 09:45	03/24/23 12:26	EPA 7471B	1,7471B	DMB
Nickel, Total	27.5		mg/kg	2.20	0.213	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Potassium, Total	4580		mg/kg	220	12.7	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Selenium, Total	0.284	J	mg/kg	1.76	0.227	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.440	0.249	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Sodium, Total	193		mg/kg	176	2.77	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Thallium, Total	1.15	J	mg/kg	1.76	0.277	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Vanadium, Total	51.4		mg/kg	0.879	0.178	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW
Zinc, Total	63.1		mg/kg	4.40	0.258	2	03/24/23 08:35	03/26/23 12:25	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-06

Date Collected: 03/23/23 09:30

Client ID: SB09_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15700		mg/kg	8.45	2.28	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Antimony, Total	0.904	J	mg/kg	4.22	0.321	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Arsenic, Total	1.28		mg/kg	0.845	0.176	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Barium, Total	97.4		mg/kg	0.845	0.147	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.731		mg/kg	0.422	0.028	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.845	0.083	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Calcium, Total	5480		mg/kg	8.45	2.96	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Chromium, Total	34.5		mg/kg	0.845	0.081	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Cobalt, Total	11.9		mg/kg	1.69	0.140	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Copper, Total	35.3		mg/kg	0.845	0.218	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Iron, Total	23500		mg/kg	4.22	0.763	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Lead, Total	7.26		mg/kg	4.22	0.226	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Magnesium, Total	5420		mg/kg	8.45	1.30	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Manganese, Total	576		mg/kg	0.845	0.134	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.072	0.047	1	03/24/23 09:45	03/24/23 12:29	EPA 7471B	1,7471B	DMB
Nickel, Total	24.7		mg/kg	2.11	0.204	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Potassium, Total	3940		mg/kg	211	12.2	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.69	0.218	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.422	0.239	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Sodium, Total	154	J	mg/kg	169	2.66	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Thallium, Total	0.867	J	mg/kg	1.69	0.266	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Vanadium, Total	42.4		mg/kg	0.845	0.172	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW
Zinc, Total	102		mg/kg	4.22	0.248	2	03/24/23 08:35	03/26/23 12:30	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-07

Date Collected: 03/23/23 10:30

Client ID: SB10_(0-2')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17900		mg/kg	8.78	2.37	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Antimony, Total	1.41	J	mg/kg	4.39	0.334	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Arsenic, Total	0.836	J	mg/kg	0.878	0.183	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Barium, Total	105		mg/kg	0.878	0.153	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.776		mg/kg	0.439	0.029	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.878	0.086	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Calcium, Total	1110		mg/kg	8.78	3.07	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Chromium, Total	32.4		mg/kg	0.878	0.084	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Cobalt, Total	13.5		mg/kg	1.76	0.146	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Copper, Total	45.3		mg/kg	0.878	0.226	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Iron, Total	26800		mg/kg	4.39	0.793	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Lead, Total	8.07		mg/kg	4.39	0.235	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Magnesium, Total	5490		mg/kg	8.78	1.35	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Manganese, Total	595		mg/kg	0.878	0.140	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.071	0.046	1	03/24/23 09:45	03/24/23 12:33	EPA 7471B	1,7471B	DMB
Nickel, Total	26.0		mg/kg	2.19	0.212	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Potassium, Total	5820		mg/kg	219	12.6	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Selenium, Total	ND		mg/kg	1.76	0.226	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.439	0.248	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Sodium, Total	234		mg/kg	176	2.76	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Thallium, Total	1.22	J	mg/kg	1.76	0.276	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Vanadium, Total	48.6		mg/kg	0.878	0.178	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW
Zinc, Total	60.8		mg/kg	4.39	0.257	2	03/24/23 08:35	03/26/23 12:35	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23**SAMPLE RESULTS**

Lab ID: L2315307-08

Date Collected: 03/23/23 10:25

Client ID: SB10_(5-7')

Date Received: 03/23/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14300		mg/kg	7.94	2.14	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Antimony, Total	1.18	J	mg/kg	3.97	0.302	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Arsenic, Total	0.916		mg/kg	0.794	0.165	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Barium, Total	130		mg/kg	0.794	0.138	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Beryllium, Total	0.570		mg/kg	0.397	0.026	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.794	0.078	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Calcium, Total	2220		mg/kg	7.94	2.78	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Chromium, Total	37.4		mg/kg	0.794	0.076	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Cobalt, Total	8.21		mg/kg	1.59	0.132	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Copper, Total	38.5		mg/kg	0.794	0.205	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Iron, Total	22200		mg/kg	3.97	0.717	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Lead, Total	11.9		mg/kg	3.97	0.213	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Magnesium, Total	4780		mg/kg	7.94	1.22	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Manganese, Total	325		mg/kg	0.794	0.126	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Mercury, Total	0.057	J	mg/kg	0.067	0.043	1	03/24/23 09:45	03/24/23 12:43	EPA 7471B	1,7471B	DMB
Nickel, Total	18.1		mg/kg	1.98	0.192	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Potassium, Total	6370		mg/kg	198	11.4	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Selenium, Total	0.281	J	mg/kg	1.59	0.205	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Silver, Total	ND		mg/kg	0.397	0.225	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Sodium, Total	170		mg/kg	159	2.50	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Thallium, Total	1.18	J	mg/kg	1.59	0.250	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Vanadium, Total	40.0		mg/kg	0.794	0.161	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW
Zinc, Total	54.7		mg/kg	3.97	0.233	2	03/24/23 08:35	03/26/23 12:41	EPA 3050B	1,6010D	EGW



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

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): 01-08 Batch: WG1758359-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/24/23 09:45	03/24/23 11:43	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1758367-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	0.070	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Copper, Total	ND		mg/kg	0.400	0.103	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Iron, Total	0.881	J	mg/kg	2.00	0.361	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	0.107	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Potassium, Total	ND		mg/kg	100	5.76	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Silver, Total	ND		mg/kg	0.200	0.113	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Sodium, Total	1.44	J	mg/kg	80.0	1.26	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/24/23 08:35	03/26/23 11:10	1,6010D	EGW

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1758359-2 SRM Lot Number: D116-540								
Mercury, Total	98		-		58-142	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1758367-2 SRM Lot Number: D116-540					
Aluminum, Total	91	-	45-155	-	
Antimony, Total	198	-	2-205	-	
Arsenic, Total	118	-	82-119	-	
Barium, Total	97	-	82-118	-	
Beryllium, Total	107	-	82-118	-	
Cadmium, Total	103	-	82-118	-	
Calcium, Total	101	-	81-119	-	
Chromium, Total	103	-	81-118	-	
Cobalt, Total	111	-	83-117	-	
Copper, Total	107	-	83-117	-	
Iron, Total	105	-	58-142	-	
Lead, Total	103	-	83-117	-	
Magnesium, Total	90	-	75-125	-	
Manganese, Total	98	-	82-118	-	
Nickel, Total	108	-	82-118	-	
Potassium, Total	95	-	68-131	-	
Selenium, Total	116	-	78-122	-	
Silver, Total	96	-	79-121	-	
Sodium, Total	98	-	71-130	-	
Thallium, Total	105	-	80-120	-	
Vanadium, Total	104	-	78-122	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1758367-2 SRM Lot Number: D116-540					
Zinc, Total	101	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

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): 01-08 QC Batch ID: WG1758359-3 QC Sample: L2314450-01 Client ID: MS Sample												
Mercury, Total	0.117	1.55	1.64	98		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

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): 01-08			QC Batch ID: WG1758367-3		QC Sample: L2314083-07		Client ID: MS Sample		
Aluminum, Total	2300	182	6880	2520	Q	-	75-125	-	20
Antimony, Total	0.463J	45.4	42.0	92		-	75-125	-	20
Arsenic, Total	4.77	10.9	26.2	197	Q	-	75-125	-	20
Barium, Total	58.8	182	360	166	Q	-	75-125	-	20
Beryllium, Total	0.238	4.54	4.72	99		-	75-125	-	20
Cadmium, Total	0.156J	4.81	4.24	88		-	75-125	-	20
Calcium, Total	3440	908	4060	68	Q	-	75-125	-	20
Chromium, Total	16.6	18.2	31.7	83		-	75-125	-	20
Cobalt, Total	5.10	45.4	46.8	92		-	75-125	-	20
Copper, Total	21.7	22.7	54.0	142	Q	-	75-125	-	20
Iron, Total	7320	90.8	13600	6920	Q	-	75-125	-	20
Lead, Total	37.0	48.1	120	172	Q	-	75-125	-	20
Magnesium, Total	927	908	2320	153	Q	-	75-125	-	20
Manganese, Total	724	45.4	326	0	Q	-	75-125	-	20
Nickel, Total	9.97	45.4	55.1	99		-	75-125	-	20
Potassium, Total	365	908	2230	205	Q	-	75-125	-	20
Selenium, Total	0.823J	10.9	10.6	97		-	75-125	-	20
Silver, Total	ND	4.54	3.84	84		-	75-125	-	20
Sodium, Total	73.0J	908	969	107		-	75-125	-	20
Thallium, Total	ND	10.9	7.76	71	Q	-	75-125	-	20
Vanadium, Total	14.6	45.4	89.4	165	Q	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Lab Number: L2315307

Project Number: 0207897

Report Date: 03/27/23

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): 01-08 QC Batch ID: WG1758367-3 QC Sample: L2314083-07 Client ID: MS Sample									
Zinc, Total	188	45.4	334	322	Q	-	-	75-125	- 20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1758359-4 QC Sample: L2314450-01 Client ID: DUP Sample						
Mercury, Total	0.117	0.057J	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1758367-4 QC Sample: L2314083-07 Client ID: DUP Sample						
Lead, Total	37.0	36.9	mg/kg	0		20

INORGANICS & MISCELLANEOUS

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-01

Client ID: SB07_(0-2')

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 08:00

Date Received: 03/23/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-02**Client ID:** SB07_(4-6')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 08:10**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-03**Client ID:** SB08_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 08:55**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-04**Client ID:** SB08_(5-7')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 09:00**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-05**Client ID:** SB09_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 09:35**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-06**Client ID:** SB09_(5-7')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 09:30**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23**SAMPLE RESULTS****Lab ID:** L2315307-07**Client ID:** SB10_(0-2')**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Date Collected:** 03/23/23 10:30**Date Received:** 03/23/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2315307

Report Date: 03/27/23

SAMPLE RESULTS

Lab ID: L2315307-08

Client ID: SB10_(5-7')

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 03/23/23 10:25

Date Received: 03/23/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	03/24/23 08:28	121,2540G	ROI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2315307**Report Date:** 03/27/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1758382-1 QC Sample: L2315307-01 Client ID: SB07_(0-2')						
Solids, Total	88.0	90.7	%	3		20

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No: 03272312:03
Lab Number: L2315307
Report Date: 03/27/23

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(*)
L2315307-01A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-01B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-01C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-01D	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),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2315307-01E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2315307-01F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-01X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-01Y	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-01Z	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-02A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-02B	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-02C	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-02D	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),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2315307-02E	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2315307-02F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-03A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-03B	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-03C	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No: 03272312:03
Lab Number: L2315307
Report Date: 03/27/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2315307-03D	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),PB-Ti(180),SE-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MN-Ti(180),FE-Ti(180),MG-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180)
L2315307-03E	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2315307-03F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-04A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-04B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-04C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-04D	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),TL-Ti(180),AL-Ti(180),CR-Ti(180),PB-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),SE-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),MN-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180)
L2315307-04E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2315307-04F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-04X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-04Y	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-04Z	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-05A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-05B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-05C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-05D	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),NI-Ti(180),AL-Ti(180),CR-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),CA-Ti(180),NA-Ti(180),K-Ti(180),CD-Ti(180)
L2315307-05E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2315307-05F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-05X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-05Y	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-05Z	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No: 03272312:03
Lab Number: L2315307
Report Date: 03/27/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2315307-06A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-06B	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-06C	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-06D	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),PB-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)
L2315307-06E	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2315307-06F	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-07A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-07B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-07C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-07D	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),SB-Ti(180),CU-Ti(180),PB-Ti(180),ZN-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180)
L2315307-07E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2315307-07F	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)
L2315307-07X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-07Y	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-07Z	Vial Water preserved split	A	NA		2.5	Y	Absent	24-MAR-23 10:10	NYTCL-8260HLW(14)
L2315307-08A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2315307-08B	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-08C	Vial water preserved	A	NA		2.5	Y	Absent	24-MAR-23 05:23	NYTCL-8260HLW(14)
L2315307-08D	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),PB-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),FE-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180)
L2315307-08E	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2315307-08F	Glass 250ml/8oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No:03272312:03
Lab Number: L2315307
Report Date: 03/27/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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Project Name: 650 SOUTHERN BLVD**Lab Number:** L2315307**Project Number:** 0207897**Report Date:** 03/27/23

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: 650 SOUTHERN BLVD
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Footnotes

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

Terms

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

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: 650 SOUTHERN BLVD
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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.)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2315307
Report Date: 03/27/23

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **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

of

Date Rec'd in Lab

3/24/23

ALPHA Job #

L2315307

Project Information

Project Name:

650 SOUTHERN BLVD

Project Location:

650 SOUTHERN BLVD, WENX, NY

Project #

0207897

(Use Project name as Project #)

☐

Project Manager:

SUZANNE BELL

ALPHAQuote #:

Turn-Around Time

Fax:

P.DINARDO@HLEYMORICH.COM

Email:

S.BELL@HLEYMORICH.COM

Standard

☒

Due Date:

Rush (only if pre approved)

☐

of Days:

Deliverables

☐ ASP-A

☒ ASP-B

☐ EQUIS (1 File)

☐ EQUIS (4 File)

☐ Other

Billing Information

☐ Same as Client Info

PO #

Client Information

Client:

HLEYMORICH

Address:

237 W 35th St.

NEW YORK, NY

Phone:

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

TAL VOCs

SVOCs

TAL METALS

Sample Filtration

☐ Done

☐ Lab to do

Preservation

☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials										Sample Specific Comments
		Date	Time												
15307-01	SB07-(0-2')	3/23	8:00	Soil	PD	X	X	X							
02	SB07-(4-6')		8:10			X	X	X							
03	SB08-(0-2')		8:55			X	X	X							
04	SB08-(5-7')		9:20			X	X	X							
05	SB09-(0-2')		9:35			X	X	X							
06	SB09-(5-7')		9:30			X	X	X							
07	SB10-(0-2')		10:30			X	X	X							
08	SB10-(5-7')		10:35			X	X	X							

Preservative Code:

A = None

B = HCl

C = HNO₃

D = H₂SO₄

E = NaOH

F = MeOH

G = NaHSO₄

H = Na₂S₂O₃

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

PVEA A

Preservative

PA A

Relinquished By:

PS DINARDO

Date/Time

3/23 12:30

Received By:

SUZANNE BELL

Date/Time

3/23/23 12:20

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

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.)

T
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ANALYTICAL REPORT

Lab Number:	L2318006
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BLVD
Project Number:	0207897
Report Date:	04/11/23

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

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

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



Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2318006-01	TWP-02	WATER	650 SOUTHERN BLVD, BRONX, NY	04/05/23 11:30	04/05/23

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

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.

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:



Ashaley Moynihan

Title: Technical Director/Representative

Date: 04/11/23

ORGANICS

VOLATILES

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318006**Project Number:** 0207897**Report Date:** 04/11/23**SAMPLE RESULTS**

Lab ID: L2318006-01

Date Collected: 04/05/23 11:30

Client ID: TWP-02

Date Received: 04/05/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 04/07/23 10:38

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	6.8		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318006**Project Number:** 0207897**Report Date:** 04/11/23**SAMPLE RESULTS****Lab ID:** L2318006-01**Date Collected:** 04/05/23 11:30**Client ID:** TWP-02**Date Received:** 04/05/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	14		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318006**Project Number:** 0207897**Report Date:** 04/11/23**SAMPLE RESULTS****Lab ID:** L2318006-01**Date Collected:** 04/05/23 11:30**Client ID:** TWP-02**Date Received:** 04/05/23**Sample Location:** 650 SOUTHERN BLVD, BRONX, NY**Field Prep:** Not Specified**Sample Depth:**

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	118		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 09:23
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1765193-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/07/23 09:23
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1765193-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/07/23 09:23
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1765193-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318006

Report Date: 04/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1765193-3 WG1765193-4								
Methylene chloride	95		100		70-130	5		20
1,1-Dichloroethane	92		100		70-130	8		20
Chloroform	94		100		70-130	6		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	88		85		63-130	3		20
1,1,2-Trichloroethane	88		84		70-130	5		20
Tetrachloroethene	90		88		70-130	2		20
Chlorobenzene	92		94		75-130	2		20
Trichlorofluoromethane	100		110		62-150	10		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	96		100		67-130	4		20
Bromodichloromethane	92		95		67-130	3		20
trans-1,3-Dichloropropene	82		78		70-130	5		20
cis-1,3-Dichloropropene	89		89		70-130	0		20
1,1-Dichloropropene	89		91		70-130	2		20
Bromoform	73		70		54-136	4		20
1,1,2,2-Tetrachloroethane	84		85		67-130	1		20
Benzene	97		99		70-130	2		20
Toluene	90		89		70-130	1		20
Ethylbenzene	89		91		70-130	2		20
Chloromethane	89		96		64-130	8		20
Bromomethane	110		120		39-139	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318006

Report Date: 04/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1765193-3 WG1765193-4								
Vinyl chloride	110		120		55-140	9		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	94		100		61-145	6		20
trans-1,2-Dichloroethene	96		100		70-130	4		20
Trichloroethene	90		95		70-130	5		20
1,2-Dichlorobenzene	88		90		70-130	2		20
1,3-Dichlorobenzene	89		92		70-130	3		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	97		99		70-130	2		20
1,2,3-Trichloropropane	78		81		64-130	4		20
Acrylonitrile	85		79		70-130	7		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	99		110		36-147	11		20
Acetone	65		70		58-148	7		20
Carbon disulfide	94		100		51-130	6		20
2-Butanone	76		78		63-138	3		20
Vinyl acetate	82		80		70-130	2		20
4-Methyl-2-pentanone	72		72		59-130	0		20
2-Hexanone	58		58		57-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318006

Report Date: 04/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1765193-3 WG1765193-4								
Bromochloromethane	99		100		70-130	1		20
2,2-Dichloropropane	97		100		63-133	3		20
1,2-Dibromoethane	89		83		70-130	7		20
1,3-Dichloropropane	87		83		70-130	5		20
1,1,1,2-Tetrachloroethane	86		86		64-130	0		20
Bromobenzene	92		94		70-130	2		20
n-Butylbenzene	87		91		53-136	4		20
sec-Butylbenzene	90		95		70-130	5		20
tert-Butylbenzene	92		95		70-130	3		20
o-Chlorotoluene	90		94		70-130	4		20
p-Chlorotoluene	87		90		70-130	3		20
1,2-Dibromo-3-chloropropane	77		79		41-144	3		20
Hexachlorobutadiene	83		89		63-130	7		20
Isopropylbenzene	90		95		70-130	5		20
p-Isopropyltoluene	88		91		70-130	3		20
Naphthalene	90		90		70-130	0		20
n-Propylbenzene	89		93		69-130	4		20
1,2,3-Trichlorobenzene	87		89		70-130	2		20
1,2,4-Trichlorobenzene	88		91		70-130	3		20
1,3,5-Trimethylbenzene	84		86		64-130	2		20
1,2,4-Trimethylbenzene	86		88		70-130	2		20
1,4-Dioxane	94		86		56-162	9		20
p-Diethylbenzene	87		91		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318006

Report Date: 04/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1765193-3 WG1765193-4								
p-Ethyltoluene	90		93		70-130	3		20
1,2,4,5-Tetramethylbenzene	86		90		70-130	5		20
Ethyl ether	91		93		59-134	2		20
trans-1,4-Dichloro-2-butene	75		76		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		108		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	106		110		70-130

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Serial_No:04112314:04
Lab Number: L2318006
Report Date: 04/11/23

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(*)
L2318006-01A	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2318006-01B	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)
L2318006-01C	Vial HCl preserved	A	NA		4.9	Y	Absent		NYTCL-8260(14)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

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



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Footnotes

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

Terms

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

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: 650 SOUTHERN BLVD
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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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318006
Report Date: 04/11/23

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **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		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 4/15/23		ALPHA Job # L2318C06	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information		Deliverables		Billing Information	
Client Information Client: <u>HALO PATRICK</u> Address: <u>237 W 35th</u> <u>NEW YORK, NY</u> Phone: Fax: Email: <u>SBELL@halopatrick.com</u>		Project Name: <u>GSD SOUTHERN BLVD</u>		Project Location: <u>GSD SOUTHERN BLVD, BROOKLYN NY</u>		☐ ASP-A ☐ EQulS (1 File) ☐ Other		☐ Same as Client Info PO #	
		Project # <u>0207897</u>		(Use Project name as Project #) ☐		Project Manager: <u>SUZANNE BELL</u>		ALPHAQuote #:	
Turn-Around Time		Standard ☒ Rush (only if pre approved) ☐		Due Date: # of Days:		Regulatory Requirement ☐ NY TOGS ☐ AWQ Standards ☒ NY Restricted Use ☒ 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 ☐						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Other project specific requirements/comments:						Sample Specific Comments		Total Bottles	
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
18006 - 01		TWP-02		4/15 11:30		WATER		AD	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By:		Date/Time		Received By:		Date/Time			
P. DIMARCO		4/15 16:55		J. COLE		4/15/23 16:55			
J. COLE		4/15/23 18:50		J. COLE		4/15/23 18:55			
J. COLE		4/15/23 22:35		J. COLE		4/15/23 22:55			



ANALYTICAL REPORT

Lab Number:	L2318021
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Suzanne Bell
Phone:	(973) 658-3938
Project Name:	650 SOUTHERN BLVD
Project Number:	0207897
Report Date:	04/12/23

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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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2318021-01	SV-01	SOIL_VAPOR	650 SOUTHERN BLVD, BRONX, NY	04/05/23 13:07	04/05/23
L2318021-02	SV-02	SOIL_VAPOR	650 SOUTHERN BLVD, BRONX, NY	04/05/23 13:11	04/05/23
L2318021-03	UNUSED CAN #473	SOIL_VAPOR	650 SOUTHERN BLVD, BRONX, NY		04/05/23

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 5, 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: 04/12/23

AIR

Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2318021**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-01

Client ID: SV-01

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 04/05/23 13:07

Date Received: 04/05/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/12/23 06:43

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	0.240	0.200	--	0.496	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.47	0.200	--	3.25	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	21.7	5.00	--	40.9	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	93.4	1.00	--	222	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	5.70	0.500	--	14.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.14	0.500	--	6.49	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.46	0.200	--	13.9	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	2.90	0.500	--	8.55	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318021**Project Number:** 0207897**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-01

Date Collected: 04/05/23 13:07

Client ID: SV-01

Date Received: 04/05/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.43	0.200	--	6.98	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.10	0.200	--	7.40	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.888	0.200	--	2.84	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.909	0.200	--	3.13	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	0.236	0.200	--	1.27	1.07	--		1
2,2,4-Trimethylpentane	0.969	0.200	--	4.53	0.934	--		1
Heptane	2.46	0.200	--	10.1	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.848	0.500	--	3.48	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	9.74	0.200	--	36.7	0.754	--		1
2-Hexanone	0.448	0.200	--	1.84	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.20	0.200	--	8.14	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	5.79	0.200	--	25.1	0.869	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318021**Project Number:** 0207897**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-01

Date Collected: 04/05/23 13:07

Client ID: SV-01

Date Received: 04/05/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	25.4	0.400	--	110	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	24.2	0.200	--	105	0.869	--		1
4-Ethyltoluene	4.88	0.200	--	24.0	0.983	--		1
1,3,5-Trimethylbenzene	8.04	0.200	--	39.5	0.983	--		1
1,2,4-Trimethylbenzene	34.1	0.200	--	168	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	99		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	108		60-140



Project Name: 650 SOUTHERN BLVD**Project Number:** 0207897**Lab Number:** L2318021**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-02

Client ID: SV-02

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 04/05/23 13:11

Date Received: 04/05/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 04/12/23 07:23

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.495	0.200	--	2.45	0.989	--		1
Chloromethane	0.272	0.200	--	0.562	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.50	0.200	--	3.32	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.79	5.00	--	16.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	158	1.00	--	375	2.38	--		1
Trichlorofluoromethane	0.271	0.200	--	1.52	1.12	--		1
Isopropanol	1.52	0.500	--	3.74	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.20	0.500	--	6.67	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	10.1	0.200	--	31.5	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	11.3	0.500	--	33.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318021**Project Number:** 0207897**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-02

Client ID: SV-02

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Date Collected: 04/05/23 13:11

Date Received: 04/05/23

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.04	0.200	--	5.08	0.977	--		1
Tetrahydrofuran	0.667	0.500	--	1.97	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.31	0.200	--	4.62	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.06	0.200	--	3.39	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.30	0.200	--	4.47	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.544	0.200	--	3.64	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.866	0.200	--	4.04	0.934	--		1
Heptane	1.23	0.200	--	5.04	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.05	0.500	--	4.30	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	8.98	0.200	--	33.8	0.754	--		1
2-Hexanone	3.48	0.200	--	14.3	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.07	0.200	--	7.26	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	4.17	0.200	--	18.1	0.869	--		1



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318021**Project Number:** 0207897**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318021-02

Date Collected: 04/05/23 13:11

Client ID: SV-02

Date Received: 04/05/23

Sample Location: 650 SOUTHERN BLVD, BRONX, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	18.3	0.400	--	79.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	22.8	0.200	--	99.0	0.869	--		1
4-Ethyltoluene	4.30	0.200	--	21.1	0.983	--		1
1,3,5-Trimethylbenzene	14.8	0.200	--	72.8	0.983	--		1
1,2,4-Trimethylbenzene	53.9	0.200	--	265	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	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	106		60-140



Project Name: 650 SOUTHERN BLVD

Lab Number: L2318021

Project Number: 0207897

Report Date: 04/12/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/23 16:20

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1765429-4								
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: 650 SOUTHERN BLVD

Lab Number: L2318021

Project Number: 0207897

Report Date: 04/12/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/23 16:20

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1765429-4								
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: 650 SOUTHERN BLVD

Lab Number: L2318021

Project Number: 0207897

Report Date: 04/12/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/11/23 16:20

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1765429-4								
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: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318021

Report Date: 04/12/23

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: WG1765429-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	97		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethanol	84		-		40-160	-		
Vinyl bromide	96		-		70-130	-		
Acetone	85		-		40-160	-		
Trichlorofluoromethane	97		-		70-130	-		
Isopropanol	101		-		40-160	-		
1,1-Dichloroethene	103		-		70-130	-		
Tertiary butyl Alcohol	108		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
Freon-113	106		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318021

Report Date: 04/12/23

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: WG1765429-3								
Ethyl Acetate	110		-		70-130	-		
Chloroform	99		-		70-130	-		
Tetrahydrofuran	102		-		70-130	-		
1,2-Dichloroethane	95		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	81		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	104		-		70-130	-		
1,2-Dichloropropane	107		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	103		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	108		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	104		-		70-130	-		
2-Hexanone	113		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Lab Number: L2318021

Report Date: 04/12/23

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: WG1765429-3								
Tetrachloroethene	105		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	111		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	111		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	112		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		
Benzyl chloride	124		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,2-Dichlorobenzene	108		-		70-130	-		
1,2,4-Trichlorobenzene	103		-		70-130	-		
Hexachlorobutadiene	105		-		70-130	-		

Project Name: 650 SOUTHERN BLVD

Project Number: 0207897

Serial_No:04122314:00
Lab Number: L2318021

Report Date: 04/12/23

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 Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2318021-01	SV-01	0273	Flow 3	04/05/23	418993		-	-	-	Pass	18.0	18.2	1
L2318021-01	SV-01	520	2.7L Can	04/05/23	418993	L2315828-05	Pass	-29.8	-5.3	-	-	-	-
L2318021-02	SV-02	0068	Flow 4	04/05/23	418993		-	-	-	Pass	18.0	18.3	2
L2318021-02	SV-02	2206	2.7L Can	04/05/23	418993	L2315828-05	Pass	-29.5	-5.0	-	-	-	-
L2318021-03	UNUSED CAN #473	0973	Flow 3	04/05/23	418993		-	-	-	Pass	18.0	18.0	0
L2318021-03	UNUSED CAN #473	473	2.7L Can	04/05/23	418993	L2315828-05	Pass	-29.8	-29.9	-	-	-	-

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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/27/23 20:45
Analyst: RAY

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



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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2315828**Project Number:** CANISTER QC BAT**Report Date:** 04/12/23**Air Canister Certification Results**

Lab ID: L2315828-05

Date Collected: 03/26/23 09:00

Client ID: CAN 362 SHELF 12

Date Received: 03/27/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/27/23 20:45
Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1



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

Lab Number: L2315828
Report Date: 04/12/23

Air Canister Certification Results

Lab ID: L2315828-05
Client ID: CAN 362 SHELF 12
Sample Location:

Date Collected: 03/26/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-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:** L2315828**Project Number:** CANISTER QC BAT**Report Date:** 04/12/23**Air Canister Certification Results**

Lab ID: L2315828-05

Date Collected: 03/26/23 09:00

Client ID: CAN 362 SHELF 12

Date Received: 03/27/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: 650 SOUTHERN BLVD**Lab Number:** L2318021**Project Number:** 0207897**Report Date:** 04/12/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2318021-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2318021-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2318021-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

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: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

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.)

Project Name: 650 SOUTHERN BLVD
Project Number: 0207897

Lab Number: L2318021
Report Date: 04/12/23

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **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.

