PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

for

One45 – Phase 1
691 Lenox Avenue
New York, New York

Prepared for:

One45 Lenox LLC
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Prepared by:

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LANGAN

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) completed a Phase II Environmental Site Investigation (ESI) on behalf of One45 Lenox LLC for the "Phase 1" development site is located at 691 Lenox Avenue in New York, New York. The purpose of this soil, groundwater and soil vapor investigation was to: 1) investigate recognized environmental conditions (REC) identified in the October 23, 2020 Phase I Environmental Site Assessment (ESA) prepared by Langan; 2) identify subsurface conditions that may impact future construction activities; and 3) generate a data set sufficient to evaluate eligibility for the enrollment of the site in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). This report provides site background, investigation methodologies, and investigation results.

The "Phase 1" development site is located at 691 Lenox Avenue in the Harlem neighborhood of New York, New York and is identified as Block 2013, Lots 29 and 33 and part of Lot 38 on the Manhattan Borough Tax Map (the site). The site is about 34,400 square feet and is currently improved with one-story commercial buildings[1] on Lots 29 and 38 and a vacant parcel on Lot 33. The Phase 1 site is part of a two-part development property known as "One45" that also includes a "Phase 2" development site (Block 2013, Lots 44, 50 and part of Lot 38). A site location map is presented as Figure 1 and a site plan is presented as Figure 2.

PHASE II ENVIRONMENTAL SITE INVESTIGATION

The Phase II ESI was implemented in two mobilizations. The first mobilization was completed from September 25 to October 18, 2020 and the second mobilization was completed from November 22 to November 25, 2020. The purpose of the second mobilization was to fill data gaps relative to testing program objectives identified at the completion of the first mobilization and supplement soil data. The Phase II ESI consisted of a geophysical survey; installation of 11 soil borings, 3 temporary monitoring wells, and 2 soil vapor points; and collection and laboratory analysis of 14 grab soil samples, 3 groundwater samples, and 2 soil vapor samples. Quality Assurance/Quality Control (QA/QC) samples were collected for soil samples only. A sample summary matrix is provided in Table 1.

Geophysical Survey

Blood Hound LLC (Blood Hound) conducted a geophysical survey to clear proposed sample locations and attempt to identify underground storage tanks (UST), utilities, and subsurface anomalies at the site. The survey utilized ground penetrating radar (GPR) and electromagnetic (EM) detection equipment. A copy of the geophysical survey report is included in Appendix A.

[1] Tenants/uses include retail stores, a nail salon, an Islamic religious center, a vacant pharmacy, a restaurant, and a community center on Lot 29 and retail stores, a vacant laundromat, and restaurants on Lot 38.

Soil Investigation and Sampling Methodology

The soil investigation included the advancement of 11 soil borings (PH1_SB01 through PH1_SB11) by AARCO Environmental Services Corp. of Lindenhurst, New York (AARCO) under observation by Langan field personnel. The borings were located to avoid utilities, obstructions, and subsurface anomalies. Soil boring locations are shown in Figure 2.

The soil borings were advanced using a Geoprobe™ 7822DT drill rig, a Hilti TE 3000-AVR jackhammer with a macrocore attachment, or a hand auger to depths of about 9 to 25 feet below sidewalk grade (bsg). Soil borings were advanced to the groundwater table, to about 10 feet below the groundwater table, or to the historic fill/native soil boundary. Soil samples were collected into MacroCore® barrels lined with 3- or 5-foot dedicated acetate sleeves. Extracted soil was screened with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field personnel. The soil boring logs are provided in Appendix B.

Up to two grab soil samples were collected from each boring for laboratory analysis. Soil samples were collected from historic fill and/or at the groundwater interface. Soil samples were not collected from boring PH1_SB06; which served to evaluate BCP eligibility only, and no evidence of petroleum- or chemical-like impacts was observed. TerraCore® sampling kits (5-gram) were used to collect soil samples for volatile organic compound (VOC) analysis. One duplicate soil sample, matrix spike/matrix spike duplicate soil sample, field blank, and trip blank were collected for QA/QC purposes.

Soil samples were collected into laboratory-supplied batch-certified clean glassware and TerraCore® samplers (VOC samples only) and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory (Alpha Analytical, Inc. [Alpha] of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol. New York Analytical Services Protocols (ASP) Category B laboratory reports were provided by Alpha. Soil samples were analyzed for the following parameters:

- Target Compound List (TCL) VOCs by United States Environmental Protection Agency (USEPA) Method 8260;
- TCL semivolatile organic compounds (SVOC) by USEPA Method 8270D;
- TCL polychlorinated biphenyls (PCB) by USEPA Method 8082A;
- Target analyte list (TAL) metals by USEPA Method 6010C and 7471B;
- Hexavalent chromium by USEPA Method 7196A;
- Trivalent chromium by USEPA Method 3060/107; and/or
- Toxicity Characteristic Leachate Procedure (TCLP) metals by USEPA Method 1311.

Groundwater Investigation and Sampling Methodology

Three temporary groundwater monitoring wells (PH1_MW02, PH1_MW03, and PH1_MW05) were installed by AARCO in select boring locations (PH1_SB02, PH1_SB03, and PH1_SB05, respectively) under observation by Langan field personnel. Monitoring well locations are shown in Figure 2.

The temporary monitoring wells were constructed at select soil borings with a Geoprobe™ 7822DT drill rig or a Hilti TE 3000-AVR jackhammer with a macrocore attachment. Monitoring wells were constructed using 1-inch diameter, 0.01-inch slotted polyvinyl chloride (PVC) well screen placed across the observed groundwater table and solid PVC riser to the surface of the site.

One groundwater sample was collected from each temporary monitoring well in general accordance with NYSDEC Division of Environmental Remediation (DER)-10 and USEPA's Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells (Low Flow Procedures). The groundwater samples were collected using a peristaltic pump and dedicated Teflon-lined poly tubing. Before a groundwater sample was collected, the well was gauged and continuously purged in an attempt to stabilize groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential), to the extent practical, in accordance with the USEPA's low-flow sampling guidance. Criteria for stabilization were three consecutive readings, each 5 minutes apart, of all parameters within the limits specified in the USEPA's low-flow sampling guidance. A multi-parameter water quality system (Horiba U52) was used to monitor the groundwater quality parameters during sampling. Turbidity readings did not stabilize in two of the three monitoring wells; these wells were sampled after one hour of purging. The groundwater samples were collected into laboratory-supplied batch-certified glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. No groundwater QA/QC samples were collected during the Phase II ESI. The groundwater sampling logs are provided in Appendix C. The groundwater samples were analyzed for the following analyses:

- TCL VOCs by USEPA Method 8260C;
- TCL SVOCs by USEPA Method 8270D;
- TCL PCBs by USEPA Method 8082A;
- TAL metals (total and dissolved) by USEPA Method 6010 and 7471;
- Hexavalent chromium by USEPA Method 3060/7196; and
- Trivalent chromium by USEPA Method 3060.

Following groundwater sample collection, the well screen and riser were removed from the ground and the borehole was backfilled with No. 2 sand and/or clean soil cuttings and patched with concrete.

Soil Vapor Investigation and Sampling Methodology

Two soil vapor sampling points (PH1_SV02 and PH1_SV04) were installed by AARCO under observation by Langan field personnel. Soil vapor sampling locations are shown in Figure 2.

The soil vapor sampling points were installed using a Geoprobe™ 7822DT drill rig or a jackhammer with a macrocore attachment to depths ranging from 9 to 11 feet bsg (about 2 feet above the groundwater table). Each sample collection point consisted of a 2-inch long polyethylene probe and inert 1/4-inch-inner diameter by 3/16-inch-outer diameter teflon-lined polyethylene tubing. The annulus (i.e., the sampling zone) around the probe was filled with No. 2 sand to about six inches above the top of the probe screen and sealed to the surface with hydrated bentonite. After sample collection, the vapor point was removed and the ground surface restored to its original level with hydrated bentonite and a concrete patch.

Soil vapor samples were collected in general accordance with New York State Department of Health (NYSDOH) guidance. Before collecting the soil vapor sample, a minimum of three implant volumes (i.e., the volume of the sample probe and tubing) was purged from the sample port at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter. The purged soil vapor was monitored for VOCs with the MultiRAE® during purging.

A helium tracer gas was used in accordance with the NYSDOH protocols to serve as a QA/QC technique to document the integrity of the soil vapor sampling point seal before and after sampling. The tracer gas was introduced into a container placed upside down above the sample port and sealed to the ground with bentonite; the contained acted as a shroud for the vapor point and seal. Helium was measured from the sampling tube and inside the container. The sample tubing at each soil vapor point did not contain more than 10% of the tracer gas concentration that was introduced into the container, therefore, the seals at each location were considered adequate for sampling.

After integrity of each seal was confirmed, vapor samples were collected for a 2-hour sampling period into laboratory-supplied batch-certified clean 2.7-liter Summa® canisters calibrated with flow controllers. No soil vapor QA/QC samples were collected during the Phase II ESI. A log sheet for each soil vapor sampling event, was completed to record the following:

- Sample identification name;
- Date and time of sample collection;
- Sampling depth;
- Name of the field engineer responsible for sampling;
- Sampling methods and equipment;
- Soil vapor purge volumes;
- Volume of soil vapor extracted;

- Flow rate; and
- Vacuum of canisters before and after sample collection.

Soil vapor samples were submitted to Alpha via courier service under standard chain-of-custody protocol and analyzed for VOCs by the United States USEPA Method TO-15. The soil vapor sampling logs are provided in Appendix D.

OBSERVATIONS AND ANALYTICAL RESULTS

Geophysical Survey

Subsurface anomalies, interpreted as various utility lines, such as gas, telecommunication, drainage, sanitary, electric lines, and unknown geophysical anomalies were detected on-site. The geophysical survey did not identify anomalies consistent with USTs.

Field Observations

Soil borings were completed to depths ranging from 9 to 25 feet bsg. The subsurface stratigraphy generally consists of historic fill material composed of varying amounts of sand, silt, and gravel and varying amounts of anthropogenic materials (brick, coal, slag, asphalt, ceramics, wood, and concrete) extending to depths ranging from 9 to 18 feet bsg. The historic fill layer is underlain by native soil consisting of varying amounts of sand, clay, gravel, silt and organics. Bedrock was not encountered during the Phase II ESI, however, bedrock was encountered at depths ranging from 50 to 150 feet bsg during Langan's preliminary geotechnical investigation completed in September-October 2020. Chemical-like odors and elevated PID readings were observed in boring PH1_SB07 from 1 to 3.5 feet bsg with a maximum PID reading of 46.8 parts per million (ppm) at 1 foot bsg. Signs of petroleum-like or chemical-like contamination (i.e. odors, staining, and/or PID readings above background) were not observed in other borings.

Depth to groundwater ranged from approximately 11.58 to 13.31 feet bsg based on groundwater measurements collected prior to purging and sampling. No light non-aqueous phase liquid (LNAPL), dense non-aqueous phase liquid (DNAPL), sheen, or PID readings above background were observed during well development, gauging, purging or sampling. Monitoring wells were not surveyed during the Phase II ESI and a synoptic gauging event was not performed because temporary monitoring wells were removed on the same day of installation and sampling.

Local groundwater depth and flow at the site is subject to hydrogeological and anthropogenic variables such as precipitation, evaporation, coverage by impervious surfaces, the presence of historic fill, and variability in local geology and groundwater sources or sinks. Regional groundwater is expected to flow east-northeast towards the Harlem River, which is about 800 feet east of the site. Local hydrogeology may not be consistent with regional groundwater flow; the preliminary geotechnical investigation identified a deep trough in bedrock located near the

center of the One45 development property (proximate to the western part of the Phase 1 site) that may act as a sink.

Soil Sample Analytical Results

Fourteen soil samples were collected from 11 soil borings (PH1_SB01 through PH1_SB11) for laboratory analysis (plus QA/QC samples). Soil sample analytical results were compared to the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375, Unrestricted Use (UU) and Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO). TCLP metals results were compared to the USEPA Resource Conservation and Recovery Act (RCRA) Code of Federal Regulations (CFR) Part 261 Maximum Concentration of Contaminants for the Toxicity Characteristic to evaluate the presence of hazardous waste. Soil sample analytical results are provided in Tables 2A and 2B and are shown on Figure 3. Laboratory analytical reports for soil are provided in Appendix E.

VOCs

No VOCs were detected at concentrations exceeding the UU or RURR SCOs.

SVOCs

One or more of three SVOCs were detected at concentrations exceeding the UU and RURR SCOs in the soil samples collected from 9 to 11 feet bsg in soil boring PH1_SB01 and/or 1 to 3 feet bsg in soil boring PH1_SB08. The table below provides concentrations of SVOCs that were detected above the UU SCOs. SVOC concentrations above the RURR SCOs are shown in **bold**.

Analyte	Concentrations Detected Above UU SCO	UU and RURR SCOs (milligrams per kilogram [mg/kg])
Benzo(a)anthracene	**1.2** in PH1_SB01_9-11	UU: 1 RURR: 1
Benzo(b)fluoranthene	**1.2** in PH1_SB01_9-11	UU: 1 RURR: 1
Indeno(1,2,3-cd)pyrene	**1.9** in PH1_SB08_1-3	UU: 0.5 RURR: 0.5

PCBs

Total PCBs exceeded the UU SCO in the soil sample collected from 0 to 2 feet bsg in soil boring PH1_SB02_0-2. PCBs were not detected at concentrations exceeding the RURR SCOs. The table

below provides the concentration of PCBs that were detected above the UU SCOs.

Analyte	Concentrations Detected Above UU SCO (mg/kg)	UU and RURR SCOs (mg/kg)
Total PCBs	0.132 in PH1_SB02_0-2	UU: 0.1 RURR: 1

Metals

One or more of seven metals were detected at concentrations exceeding the UU SCOs in samples collected from 0 to 2 feet bsg in PH1_SB02 and PH1_SB04; 1 to 3 feet bsg in PH1_SB07 (from the duplicate sample only), PH1_SB08, and PH1_SB10; 7 to 9 feet in PH1_SB05; and 11 to 13 feet bsg in PH1_SB03. One metal (copper) was detected at concentrations exceeding the RURR SCO in soil collected from 0 to 2 feet bsg in PH1_SB02 and PH1_SB04. The table below provides concentration ranges of metals that were detected exceeding the UU SCOs. Metal concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Range of Concentrations Detected above UU SCO		UU and RURR SCOs (mg/kg)
	Low (mg/kg)	High (mg/kg)	
Barium	396 in PH1_SB03_11-13	396 in PH1_SB03_11-13	UU: 350 RURR: 400
Chromium, Trivalent	32 in PH1_SB02_13-15	44 in PH1_SB02_0-2	UU: 30 RURR: 180
Copper	51.4 in PH1_SB03_7-9	**828** in PH1_SB04_0-2	UU: 50 RURR: 270
Lead	102 in PH1_SB05_11-13	316 in PH1_SB02_0-2	UU: 63 RURR: 400
Mercury	0.181 in PH1_SB03_7-9	0.543 in PH1_SB05_7-9	UU: 0.18 RURR: 0.81
Nickel	48.9 in PH1_SB02_0-2	48.9 in PH1_SB02_0-2	UU: 30 RURR: 310
Zinc	127 in PH1_SB01_9-11	272 in PH1_SB04_0-2	UU: 109 RURR: 10,000

TCLP Metals

TCLP metals were not detected at concentrations exceeding the Maximum Concentration of Contaminants for the Toxicity Characteristic.

Groundwater Sample Analytical Results

Three groundwater samples were collected from three temporary monitoring wells (PH1_MW02, PH1_MW03, and PH1_MW05) for laboratory analysis. Groundwater analytical results were compared to the NYSDEC Title 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA water (collectively the NYSDEC SGVs). Groundwater sample results are provided in Table 3 and are shown on Figure 4. Laboratory analytical reports for groundwater are provided in Appendix E.

SVOCs

One or more of six SVOCs exceeded the NYSDEC SGVs in all three groundwater samples. The table below provides concentration ranges of SVOCs that were detected above the NYSDEC SGVs.

Analyte	Range of Concentrations Detected above NYSDEC SGVs		NYSDEC SGVs (µg/L)
	Low (µg/L)	High (µg/L)	
Benzo(a)anthracene	0.05 in PH1_MW02_101420	0.53 in PH1_MW03_101620	0.002
Benzo(a)pyrene	0.03 in PH1_MW02_101420	0.69 in PH1_MW03_101620	0
Benzo(b)fluoranthene	0.02 in PH1_MW05_101520	0.71 in PH1_MW03_101620	0.002
Benzo(k)fluoranthene	0.02 in PH1_MW02_101420	0.27 in PH1_MW03_101620	0.002
Chrysene	0.04 in PH1_MW02_101420	0.52 in PH1_MW03_101620	0.002
Indeno(1,2,3-c,d)pyrene	0.02 in PH1_MW02_101420	0.54 in PH1_MW03_101620	0.002

Metals

One or more of five metals exceeded the NYSDEC SGVs at total concentrations in all three groundwater samples. One or more of four metals exceeded the NYSDEC SGVs at dissolved concentrations in all three groundwater samples. The table below provides concentration ranges of metals (total and dissolved) that were detected above the NYSDEC SGVs.

Analyte	Range of Concentrations Detected above NYSDEC SGVs		NYSDEC SGVs (µg/L)
	Low (µg/L)	High (µg/L)	
Iron	1,830 in PH1_MW02_101420	30,100 in PH1_MW05_101520	300

Analyte	Range of Concentrations Detected above NYSDEC SGVs		NYSDEC SGVs (µg/L)
	Low (µg/L)	High (µg/L)	
Iron (Dissolved)	595 in PH1_MW02_101420	28,400 in PH1_MW05_101520	300
Lead	74.44 in PH1_MW03_101620	74.44 in PH1_MW03_101620	25
Magnesium	48,600 in PH1_MW02_101420	48,600 in PH1_MW02_101420	35,000
Magnesium (Dissolved)	47,400 in PH1_MW02_101420	47,400 in PH1_MW02_101420	35,000
Manganese	1,232 in PH1_MW02_101420	2,622 in PH1_MW05_101520	300
Manganese (Dissolved)	1,135 in PH1_MW02_101420	2,786 in PH1_MW05_101520	300
Sodium	142,000 in PH1_MW02_101420	207,000 in PH1_MW03_101620	20,000
Sodium (Dissolved)	140,000 in PH1_MW02_101420	215,000 in PH1_MW03_101620	20,000

VOCs & PCBs

No VOCS or PCBs were detected at concentrations exceeding the NYSDEC SGVs.

Soil Vapor Sample Results

Two soil vapor samples (PH1_SV02 and PH1_SV04) were collected for laboratory analysis. Soil vapor sample results were compared to the NYSDOH Air Guideline Values (AGV) and were also evaluated using the NYSDOH Decision Matrices contained in the October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017). The NYSDOH Decision Matrices (Matrices A, B, and C) address the compounds tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, methylene chloride and carbon tetrachloride. The matrix evaluation requires soil vapor and indoor air data. In the absence of indoor air sampling data, soil vapor results are applied to the lowest concentration for which monitoring or mitigation is recommended in the NYSDOH Decision Matrices A, B, and C. The soil vapor analytical results are provided in Table 4 and are shown on Figure 5. Laboratory analytical reports for soil vapor are provided in Appendix F.

- 1,1,1-TCA, 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, and methylene chloride were not detected in soil vapor.
- Carbon tetrachloride was detected in the soil vapor sample PH1_SV04 at a concentration of 0.906 (micrograms per cubic meter [µg/m^3]). An evaluation of carbon tetrachloride

concentrations using the NYSDOH Decision Matrix A yields recommendations ranging from "no further action" to "identify source(s) and resample or mitigate".

- TCE was detected in both soil vapor samples at concentrations ranging from 2.21 µg/m^3 in PH1_SV04 to 4.0 µg/m^3 in PH1_SV02. An evaluation of TCE concentrations using the NYSDOH Decision Matrix A yields recommendations ranging from "no further action" to "identify source(s) and resample or mitigate". TCE exceeded the NYSDOH AGV of 2 µg/m^3 in both soil vapor samples.
- PCE was detected in both soil vapor samples at concentrations ranging from 146 µg/m^3 in PH1_SV01 to 290 µg/m^3 in PH1_SV04. An evaluation of PCE concentrations using the NYSDOH Decision Matrix B yields recommendations ranging from "no further action" to "mitigate". PCE exceeded the NYSDOH AGV of 30 µg/m^3 in both soil vapor samples.

CONCLUSIONS

The conclusions based on the findings of the Phase II ESI are as follows:

- Geophysical Survey: Geophysical anomalies indicative of USTs were not identified. Subsurface anomalies, interpreted as various utility lines, such as gas, telecommunication, drainage, sanitary, electric lines, and unknown geophysical anomalies were detected on site.
- Stratigraphy: A historic fill layer was observed from surface grade to a maximum depth of 18 feet bsg and consisted of varying amounts of sand, silt, and gravel and varying amounts of anthropogenic materials (brick, coal, slag, asphalt, ceramics, wood, and concrete). The historic fill layer is underlain by native soil consisting of varying amounts of sand, clay, gravel, silt and organics. Bedrock was not encountered during the Phase II ESI; however, bedrock was encountered at depths ranging from 50 to 150 feet bsg during Langan's preliminary geotechnical investigation completed in September-October 2020.
- Hydrogeology: Depth to groundwater ranges from approximately 11.58 to 13.31 feet bsg based on groundwater measurements collected prior to purging and sampling. Groundwater flow at the site was not evaluated during the Phase II ESI.
- Soil Analytical Results:
    - Historic fill contains contaminants including SVOCs, PCBs, and metals exceeding the UU SCOs and SVOCs and metals exceeding the RURR SCOs. The presence of these analytes is attributed to the quality of historic fill.
- Groundwater Analytical Results:
    - Groundwater contains SVOCs and metals at concentrations exceeding the NYSDEC SGVs. The presence of SVOCs and lead is attributed to entrained sediments in the groundwater samples derived from historic fill. Iron, magnesium, manganese, and sodium are commonly detected in groundwater above the NYSDEC SGVs and are representative of naturally-occurring and/or regional groundwater conditions.
- Soil Vapor Analytical Results:
    - TCE, PCE and carbon tetrachloride were detected in soil vapor at concentration that exceed the minimum concentration for which mitigation is recommended. TCE and PCE were detected in the soil vapor samples at concentrations above the AGVs
    - The presence of TCE and PCE in soil vapor is attributed to an unidentified off-site source since no on-site source was identified in soil or groundwater.

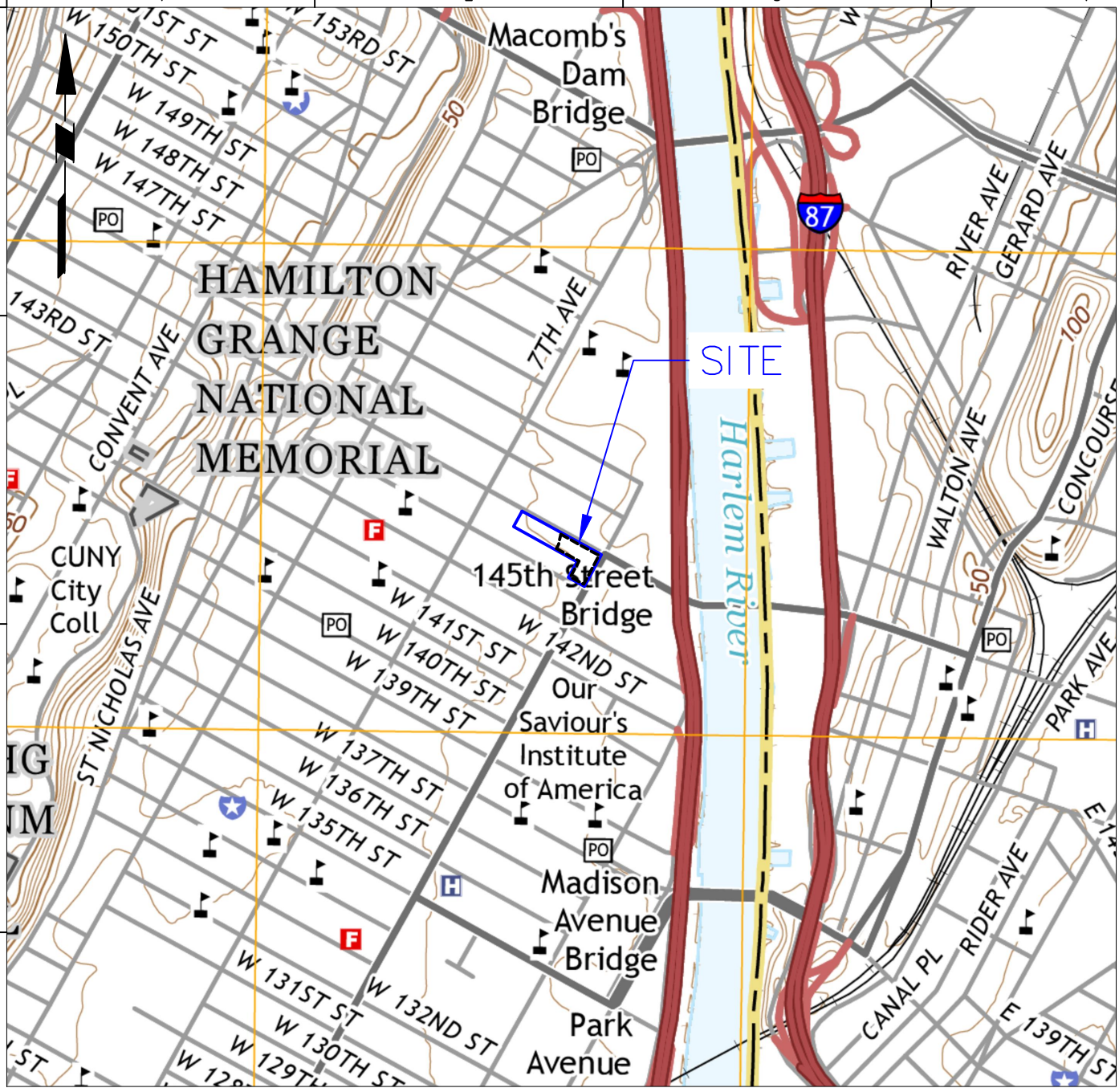
- Redevelopment Considerations:
    - The intended use for redevelopment of the site is mixed-use, which includes affordable housing, market-rate housing, community facilities, and retail. Laboratory analytical data shows that contaminants in soil and groundwater and soil vapor were detected at concentrations exceeding the applicable regulatory standards and guidance values for the intended use of the site.

LIMITATIONS

This Phase II ESI Report was prepared expressly for One45 Lenox LLC for the Phase 1 development site and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES



LEGEND

APPROXIMATE DEVELOPMENT PROPERTY BOUNDARY

APPROXIMATE PHASE 1 SITE BOUNDARY

NOTES:

1. BASE MAP SOURCE: UNITED STATES GEOLOGICAL SURVEY TOPOGRAPHIC MAP, CENTRAL PARK QUADRANGLE, 2016
2. NORTH ARROW SHOWS TRUE NORTH.
3. NOT TO SCALE.

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Project	ONE45 - PHASE 1 BLOCK No. 2013, LOT No. 29, 33, AND P/O 38 MANHATTAN NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170635401
Date	11/2/2020
Drawn By	RB
Checked By	WK
Figure No.	1

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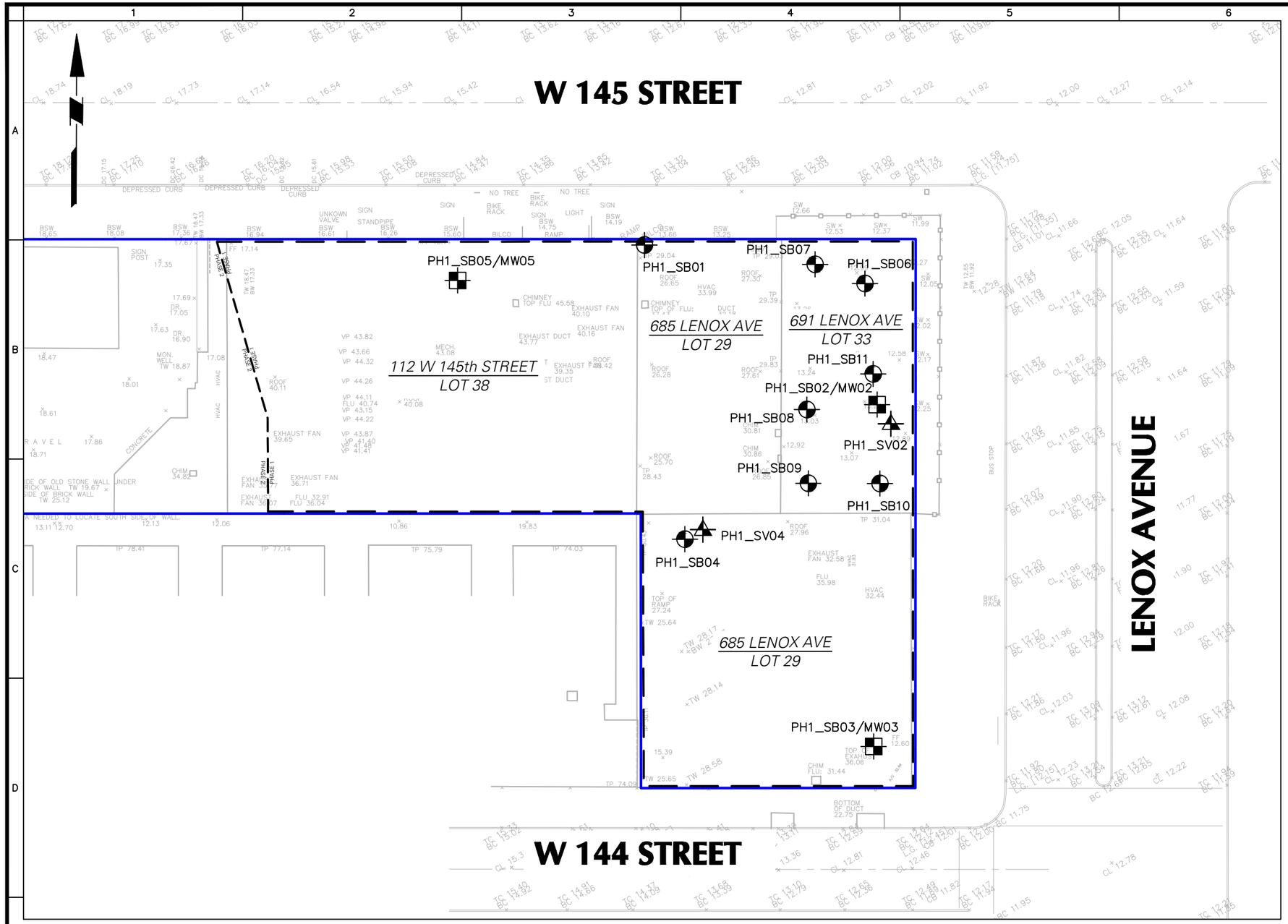

LEGEND:

- APPROXIMATE DEVELOPMENT PROPERTY BOUNDARY
- TAX LOT BOUNDARY
- APPROXIMATE PHASE 1 SITE BOUNDARY
- APPROXIMATE SOIL BORING LOCATION
- APPROXIMATE SOIL BORING AND MONITORING WELL LOCATION
- APPROXIMATE SOIL VAPOR LOCATION

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. NORTH ARROW SHOWS TRUE NORTH.
3. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGIC SURVEY (USGS NGVD 1929).
4. SAMPLE LOCATIONS ARE APPROXIMATE.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

40 0 10 25 40
SCALE IN FEET

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Project	ONE45 - PHASE 1 BLOCK No. 2013, LOT No. 29, 33, AND P/O 38 MANHATTAN NEW YORK
Figure Title	SAMPLE LOCATION MAP
Project No.	170635401
Date	12/17/20
Drawn By	RB
Checked By	WK
Figure No.	2

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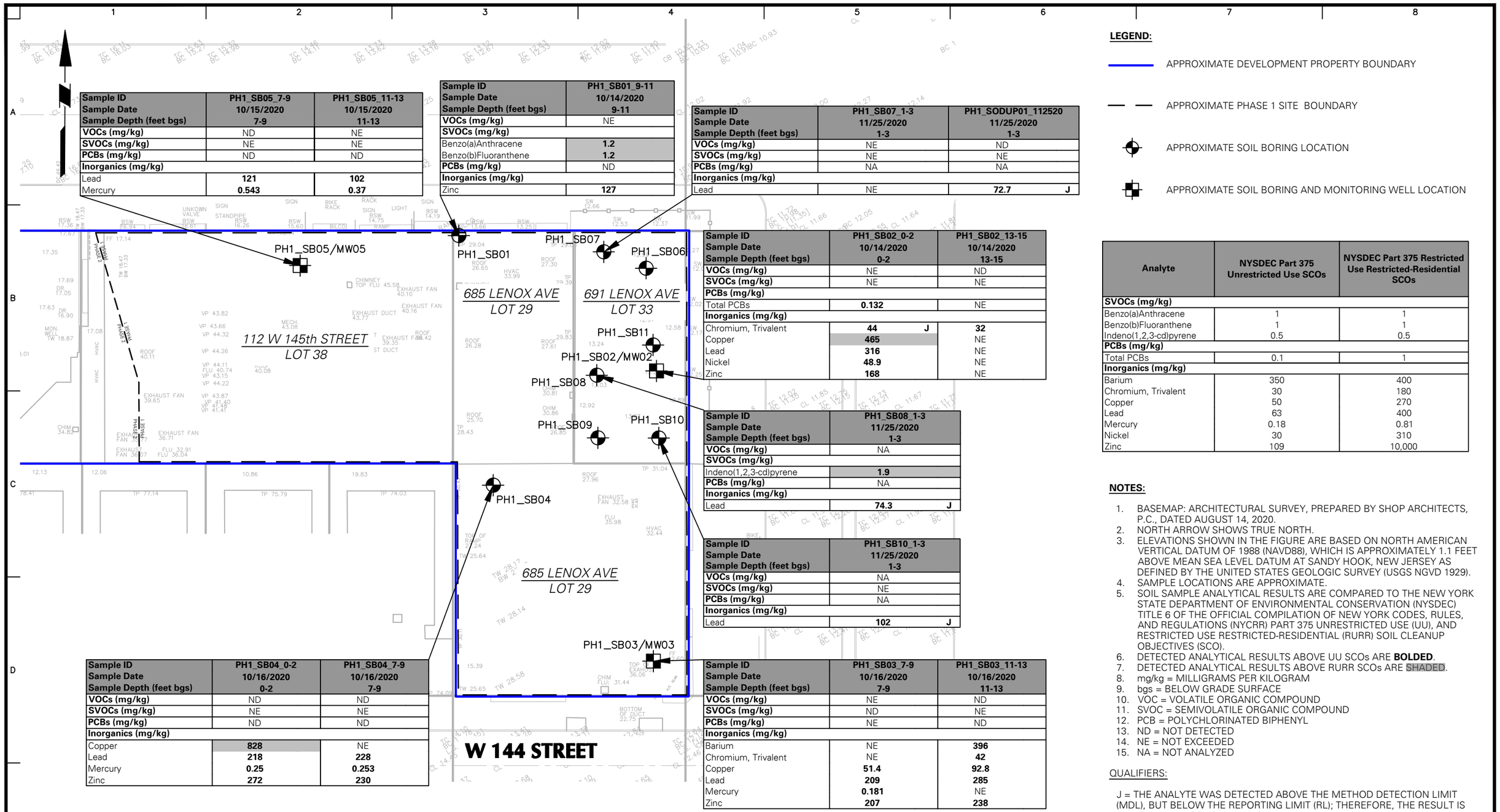

Sample ID	PH1_SB05_7-9	PH1_SB05_11-13
Sample Date	10/15/2020	10/15/2020
Sample Depth (feet bgs)	7-9	11-13
VOCs (mg/kg)	ND	NE
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	ND	ND
Inorganics (mg/kg)		
Lead	**121**	**102**
Mercury	**0.543**	**0.37**

Sample ID	PH1_SB01_9-11
Sample Date	10/14/2020
Sample Depth (feet bgs)	9-11
VOCs (mg/kg)	NE
SVOCs (mg/kg)	
Benzo(a)Anthracene	**1.2**
Benzo(b)Fluoranthene	**1.2**
PCBs (mg/kg)	ND
Inorganics (mg/kg)	
Zinc	**127**

Sample ID	PH1_SB07_1-3	PH1_SODUP01_112520
Sample Date	11/25/2020	11/25/2020
Sample Depth (feet bgs)	1-3	1-3
VOCs (mg/kg)	NE	ND
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	NA	NA
Inorganics (mg/kg)		
Lead	NE	**72.7** J

Sample ID	PH1_SB02_0-2	PH1_SB02_13-15
Sample Date	10/14/2020	10/14/2020
Sample Depth (feet bgs)	0-2	13-15
VOCs (mg/kg)	NE	ND
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)		
Total PCBs	**0.132**	NE
Inorganics (mg/kg)		
Chromium, Trivalent	**44** J	**32**
Copper	**465**	NE
Lead	**316**	NE
Nickel	**48.9**	NE
Zinc	**168**	NE

Sample ID	PH1_SB08_1-3
Sample Date	11/25/2020
Sample Depth (feet bgs)	1-3
VOCs (mg/kg)	NA
SVOCs (mg/kg)	
Indeno(1,2,3-cd)pyrene	**1.9**
PCBs (mg/kg)	NA
Inorganics (mg/kg)	
Lead	**74.3** J

Sample ID	PH1_SB10_1-3
Sample Date	11/25/2020
Sample Depth (feet bgs)	1-3
VOCs (mg/kg)	NA
SVOCs (mg/kg)	NE
PCBs (mg/kg)	NA
Inorganics (mg/kg)	
Lead	**102** J

Sample ID	PH1_SB04_0-2	PH1_SB04_7-9
Sample Date	10/16/2020	10/16/2020
Sample Depth (feet bgs)	0-2	7-9
VOCs (mg/kg)	ND	ND
SVOCs (mg/kg)	NE	NE
PCBs (mg/kg)	ND	ND
Inorganics (mg/kg)		
Copper	**828**	NE
Lead	**218**	**228**
Mercury	**0.25**	**0.253**
Zinc	**272**	**230**

Sample ID	PH1_SB03_7-9	PH1_SB03_11-13
Sample Date	10/16/2020	10/16/2020
Sample Depth (feet bgs)	7-9	11-13
VOCs (mg/kg)	NE	ND
SVOCs (mg/kg)	ND	NE
PCBs (mg/kg)	NE	ND
Inorganics (mg/kg)		
Barium	NE	**396**
Chromium, Trivalent	NE	**42**
Copper	**51.4**	**92.8**
Lead	**209**	**285**
Mercury	**0.181**	NE
Zinc	**207**	**238**

LEGEND:

- APPROXIMATE DEVELOPMENT PROPERTY BOUNDARY
- APPROXIMATE PHASE 1 SITE BOUNDARY
- APPROXIMATE SOIL BORING LOCATION
- APPROXIMATE SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
SVOCs (mg/kg)		
Benzo(a)Anthracene	1	1
Benzo(b)Fluoranthene	1	1
Indeno(1,2,3-cd)pyrene	0.5	0.5
PCBs (mg/kg)		
Total PCBs	0.1	1
Inorganics (mg/kg)		
Barium	350	400
Chromium, Trivalent	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Zinc	109	10,000

NOTES:

1. BASEMAP: ARCHITECTURAL SURVEY, PREPARED BY SHOP ARCHITECTS, P.C., DATED AUGUST 14, 2020.
2. NORTH ARROW SHOWS TRUE NORTH.
3. ELEVATIONS SHOWN IN THE FIGURE ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGIC SURVEY (USGS NGVD 1929).
4. SAMPLE LOCATIONS ARE APPROXIMATE.
5. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU), AND RESTRICTED USE RESTRICTED-RESIDENTIAL (RURR) SOIL CLEANUP OBJECTIVES (SCO).
6. DETECTED ANALYTICAL RESULTS ABOVE UU SCOs ARE **BOLDED**.
7. DETECTED ANALYTICAL RESULTS ABOVE RURR SCOs ARE SHADED.
8. mg/kg = MILLIGRAMS PER KILOGRAM
9. bgs = BELOW GRADE SURFACE
10. VOC = VOLATILE ORGANIC COMPOUND
11. SVOC = SEMIVOLATILE ORGANIC COMPOUND
12. PCB = POLYCHLORINATED BIPHENYL
13. ND = NOT DETECTED
14. NE = NOT EXCEEDED
15. NA = NOT ANALYZED

QUALIFIERS:

J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

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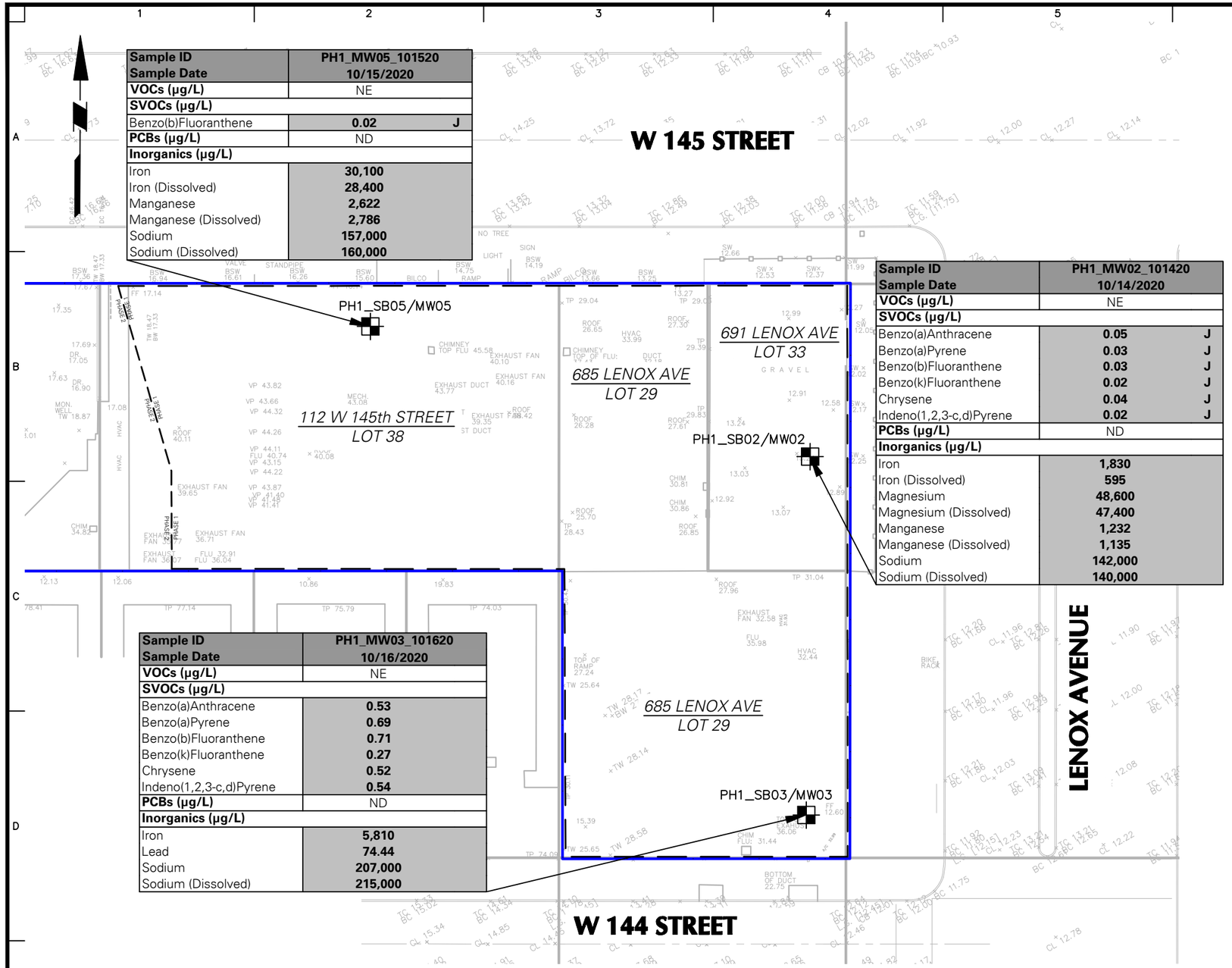
Project
ONE45 - PHASE 1
BLOCK No. 2013, LOT No. 29, 33, AND P/O 38
MANHATTAN NEW YORK

Figure Title
SOIL SAMPLE ANALYTICAL RESULTS MAP

Project No. 170635401
Date 2/22/21
Drawn By EMS
Checked By WK

Figure No. 3

Filename: \\Langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - Phase II Report\Figure 3 - Soil Sample Analytical Results Map.dwg Date: 2/22/2021 Time: 15:27 User: esmith Style Table: Langan.stb Layout: ANSIB-BL



Sample ID	PH1_MW05_101520	
Sample Date	10/15/2020	
VOCs (µg/L)	NE	
SVOCs (µg/L)		
Benzo(b)Fluoranthene	**0.02**	**J**
PCBs (µg/L)	ND	
Inorganics (µg/L)		
Iron	**30,100**	
Iron (Dissolved)	**28,400**	
Manganese	**2,622**	
Manganese (Dissolved)	**2,786**	
Sodium	**157,000**	
Sodium (Dissolved)	**160,000**	

Sample ID	PH1_MW02_101420	
Sample Date	10/14/2020	
VOCs (µg/L)	NE	
SVOCs (µg/L)		
Benzo(a)Anthracene	**0.05**	**J**
Benzo(a)Pyrene	**0.03**	**J**
Benzo(b)Fluoranthene	**0.03**	**J**
Benzo(k)Fluoranthene	**0.02**	**J**
Chrysene	**0.04**	**J**
Indeno(1,2,3-c,d)Pyrene	**0.02**	**J**
PCBs (µg/L)	ND	
Inorganics (µg/L)		
Iron	**1,830**	
Iron (Dissolved)	**595**	
Magnesium	**48,600**	
Magnesium (Dissolved)	**47,400**	
Manganese	**1,232**	
Manganese (Dissolved)	**1,135**	
Sodium	**142,000**	
Sodium (Dissolved)	**140,000**	

Sample ID	PH1_MW03_101620
Sample Date	10/16/2020
VOCs (µg/L)	NE
SVOCs (µg/L)	
Benzo(a)Anthracene	**0.53**
Benzo(a)Pyrene	**0.69**
Benzo(b)Fluoranthene	**0.71**
Benzo(k)Fluoranthene	**0.27**
Chrysene	**0.52**
Indeno(1,2,3-c,d)Pyrene	**0.54**
PCBs (µg/L)	ND
Inorganics (µg/L)	
Iron	**5,810**
Lead	**74.44**
Sodium	**207,000**
Sodium (Dissolved)	**215,000**

LEGEND:

- APPROXIMATE DEVELOPMENT PROPERTY BOUNDARY
- APPROXIMATE PHASE 1 SITE BOUNDARY
- APPROXIMATE SOIL BORING AND MONITORING WELL LOCATION

Analyte	NYSDEC SGVs
SVOCs (µg/L)	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0.002
Benzo(b)Fluoranthene	0.002
Benzo(k)Fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-c,d)Pyrene	0.002
Inorganics (µg/L)	
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Sodium	20,000

NOTES:

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4. SAMPLE LOCATIONS ARE APPROXIMATE.
5. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 703.5 AND THE NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (SGV) FOR CLASS GA WATER (HEREIN KNOWN AS THE NYSDEC SGVs).
6. DETECTED ANALYTICAL RESULTS ABOVE NYSDEC SGVs ARE **BOLDED** AND SHADED.
7. µg/L = MICROGRAMS PER LITER
8. VOC = VOLATILE ORGANIC COMPOUND
9. SVOC = SEMIVOLATILE ORGANIC COMPOUND
10. PCB = POLYCHLORINATED BIPHENYL
11. ND = NOT DETECTED
12. NE = NOT EXCEEDED

QUALIFIERS:

J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.

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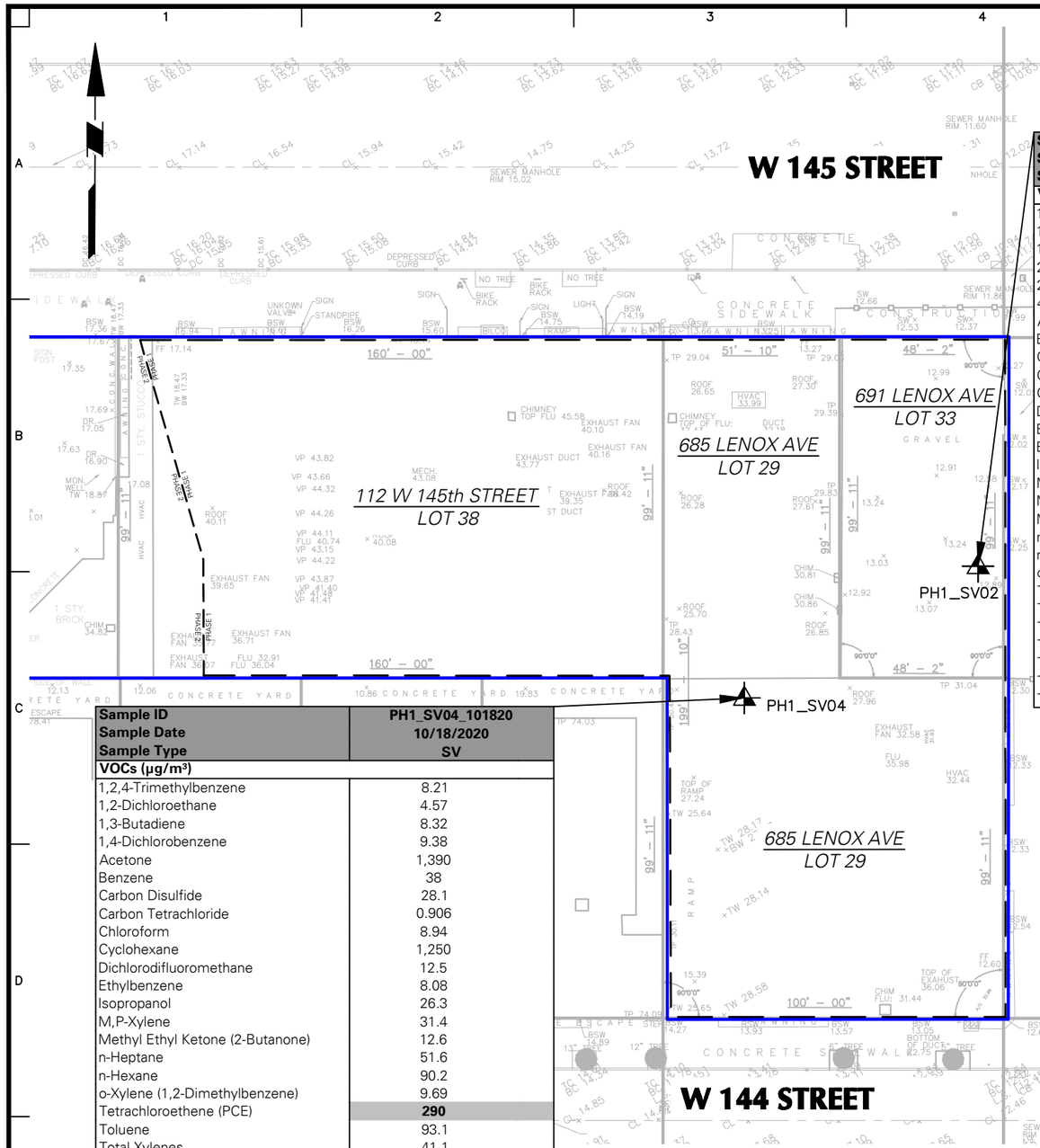
Project	Figure Title	Project No.	Figure No.
ONE45 - PHASE 1 BLOCK No. 2013, LOT No. 29, 33, AND P/O 38 MANHATTAN NEW YORK	GROUNDWATER SAMPLE ANALYTICAL RESULTS MAP	170635401	4
		Date 2/22/21	
		Drawn By EMS	
		Checked By WK	

Filename: \\Langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - Phase II Report\Figure 4 - GW Sample Analytical Results Map.dwg Date: 2/22/2021 Time: 15:28 User: esmith Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE DEVELOPMENT PROPERTY BOUNDARY
- APPROXIMATE PHASE 1 SITE BOUNDARY
- APPROXIMATE SOIL VAPOR POINT LOCATION

Sample ID	PH1_SV02_101320
Sample Date	10/14/2020
Sample Type	SV
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	9.05
1,3,5-Trimethylbenzene (Mesitylene)	2.66
1,3-Butadiene	0.998
2,2,4-Trimethylpentane	92.5
2-Hexanone	18.4
4-Ethyltoluene	1.5
Acetone	221
Benzene	4.54
Carbon Disulfide	7.91
Chloroform	25
Cyclohexane	2.85
Dichlorodifluoromethane	85.1
Ethanol	25.8
Ethylbenzene	2.26
Isopropanol	4.87
M,P-Xylene	8.9
Methyl Ethyl Ketone (2-Butanone)	56
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	18.2
n-Heptane	7.29
n-Hexane	21
o-Xylene (1,2-Dimethylbenzene)	4.07
Tert-Butyl Alcohol	36.7
Tetrachloroethene (PCE)	**146**
Tetrahydrofuran	6.67
Toluene	9.8
Total Xylenes	12.9
Trichloroethene (TCE)	4
Trichlorofluoromethane	1,390

Sample ID	PH1_SV04_101820
Sample Date	10/18/2020
Sample Type	SV
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	8.21
1,2-Dichloroethane	4.57
1,3-Butadiene	8.32
1,4-Dichlorobenzene	9.38
Acetone	1,390
Benzene	38
Carbon Disulfide	28.1
Carbon Tetrachloride	0.906
Chloroform	8.94
Cyclohexane	1,250
Dichlorodifluoromethane	12.5
Ethylbenzene	8.08
Isopropanol	26.3
M,P-Xylene	31.4
Methyl Ethyl Ketone (2-Butanone)	12.6
n-Heptane	51.6
n-Hexane	90.2
o-Xylene (1,2-Dimethylbenzene)	9.69
Tetrachloroethene (PCE)	**290**
Toluene	93.1
Total Xylenes	41.1
Trichloroethene (TCE)	2.21

Analyte	NYSDOH Decision Matrices Minimum Concentrations
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	~
1,2-Dichloroethane	~
1,3,5-Trimethylbenzene (Mesitylene)	~
1,3-Butadiene	~
1,4-Dichlorobenzene	~
2,2,4-Trimethylpentane	~
2-Hexanone	~
4-Ethyltoluene	~
Acetone	~
Benzene	~
Carbon Disulfide	~
Carbon Tetrachloride	6
Chloroform	~
Cyclohexane	~
Dichlorodifluoromethane	~
Ethanol	~
Ethylbenzene	~
Isopropanol	~
M,P-Xylene	~
Methyl Ethyl Ketone (2-Butanone)	~
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~
n-Heptane	~
n-Hexane	~
o-Xylene (1,2-Dimethylbenzene)	~
Tert-Butyl Alcohol	~
Tetrachloroethene (PCE)	100
Tetrahydrofuran	~
Toluene	~
Total Xylenes	~
Trichloroethene (TCE)	6
Trichlorofluoromethane	~

NOTES:

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3. ELEVATIONS SHOWN IN THE FIGURE ARE BASED IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGIC SURVEY (USGS NGVD 1929).
4. SAMPLE LOCATIONS ARE APPROXIMATE.
5. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE MINIMUM SOIL VAPOR CONCENTRATIONS AT WHICH MITIGATION IS RECOMMENDED AS SET FORTH IN THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) OCTOBER 2006 GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK DECISION MATRICES FOR SUB-SLAB VAPOR AND INDOOR AIR AND SUBSEQUENT UPDATES (2017).
6. ONLY DETECTED ANALYTES ARE SHOWN IN THE TABLE.
7. DETECTED ANALYTICAL RESULTS ABOVE THE MINIMUM SOIL VAPOR CONCENTRATIONS RECOMMENDING MITIGATION ARE **BOLDED** AND SHADED.
8. ~ = REGULATORY LIMIT FOR THIS ANALYTE DOES NOT EXIST
9. µg/m^3 = MICROGRAMS PER CUBIC METER
10. VOC = VOLATILE ORGANIC COMPOUND
11. SV = SOIL VAPOR

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Project	ONE45 - PHASE 1 BLOCK No. 2013, LOT No. 29, 33, AND P/O 38 MANHATTAN NEW YORK
Figure Title	SOIL VAPOR SAMPLE ANALYTICAL RESULTS MAP
Project No.	170635401
Date	2/22/21
Drawn By	EMS
Checked By	WK
Figure No.	5

Filename: \\Langan.com\data\NYC\data4\170635401\Project Data\CAD\01\SheetFiles\Environmental\PH1 - Phase II Report\Figure 5 - SV Sample Analytical Results Map.dwg Date: 2/22/2021 Time: 15:30 User: esmith Style Table: Langan.stb Layout: ANSIB-BL

TABLES

Table 1
Phase II Environmental Site Investigation Report
Sample Summary Table

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Sample No.	Boring Locations	Sample ID	Sample Depth Interval (feet bsg)	Sampling Rationale	Date	Analysis
PHASE 1 SOIL SAMPLES						
1	PH1_SB01	PH1_SB01_9-11	9-11	Shallow Historic Fill and Groundwater Interface	10/14/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium)
2	PH1_SB02	PH1_SB02_0-2	0-2	Shallow Historic Fill	10/14/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
3		PH1_SB02_13-15	13-15	Groundwater Interface	10/14/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium)
4	PH1_SB03	PH1_SB03_7-9	7-9	Shallow Historic Fill	10/16/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium)
5		PH1_SB03_11-13	11-13	Groundwater Interface	10/16/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
6	PH1_SB04	PH1_SB04_0-2	0-2	Shallow Historic Fill	10/16/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
7		PH1_SB04_7-9	7-9	Historic Fill	10/16/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
8	PH1_SB05	PH1_SB05_7-9	7-9	Shallow historic fill	10/15/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
9		PH1_SB05_11-13	11-13	Groundwater Interface	10/15/2020	Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals (including hex/trivalent chromium), TCLP Metals
10	PH1_SB07	PH1_SB07_1-3	1-3	Shallow historic fill	11/25/2020	Part 375/TCL VOCs, SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
11	PH1_SB08	PH1_SB08_1-3	1-3	Shallow historic fill	11/25/2020	Part 375/TCL SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
12	PH1_SB09	PH1_SB09_0-2	0-2	Shallow historic fill	11/25/2020	Part 375/TCL SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
13	PH1_SB10	PH1_SB10_1-3	1-3	Shallow historic fill	11/25/2020	Part 375/TCL SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
14	PH1_SB11	PH1_SB11_12-14	12-14	Groundwater Interface	11/25/2020	Part 375/TCL SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
PHASE 1 SOIL QA/QC SAMPLES						
1	PH1_SB07	PH1_SODUP01_112520	1-3	Duplicate	11/25/2020	Part 375/TCL VOCs, SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
2	PH1_SB08	PH1_SOMS01_112520/PH1_SOMSD01_112520	1-3	Matrix Spike/Matrix Spike Duplicate	11/25/2020	Part 375/TCL SVOCs, TAL Metals (including hex/trivalent chromium), TCLP Metals
3	NA	PH1_SOFB01_112520	NA	Field Blank	11/25/2020	Part 375/TCL VOCs, SVOCs, TAL Metals (including hex/trivalent chromium)
4	NA	PH1_SOTB01_112520	NA	Trip Blank	11/25/2020	Part 375/TCL VOCs
PHASE 1 GROUNDWATER SAMPLES						
1	PH1_MW02	PH1_MW02_101420	Middle of Screened Interval	Evaluate Groundwater Quality	10/14/2020	Part 375/TCL VOCs, SVOCs, PCBs, Dissolved and Total Metals (including hex/trivalent chromium)
2	PH1_MW03	PH1_MW03_101620	Middle of Screened Interval	Evaluate Groundwater Quality	10/16/2020	Part 375/TCL VOCs, SVOCs, PCBs, Dissolved and Total Metals (including hex/trivalent chromium)
3	PH1_MW05	PH1_MW05_101520	Middle of Screened Interval	Evaluate Groundwater Quality	10/15/2020	Part 375/TCL VOCs, SVOCs, PCBs, Dissolved and Total Metals (including hex/trivalent chromium)
PHASE 1 SOIL VAPOR SAMPLES						
1	PH1_SV02	PH1_SV02_101320	11	Evaluate Soil Vapor Quality	10/14/2020	TO-15 VOCs
2	PH1_SV04	PH1_SV04_101820	9	Evaluate Soil Vapor Quality	10/18/2020	TO-15 VOCs

Notes:
1. VOC = Volatile Organic Compound
2. SVOC = Semivolatile Organic Compound
3. PCB = Polychlorinated Biphenyl
4. TAL = Total Analyte List
5. TO-15 = United States Environmental Protection Agency Method TO-15
6. TCL = Target Compound List
7. TCLP = Toxicity Characteristic Leachate Procedure
8. BSG = Below Sidewalk Grade
9. QA/QC = Quality Assurance/ Quality Control
10. TerraCore® sampling kits (5-gram) were used to collect soil samples for VOC analysis.

Table 2A
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary- VOCs, SVOCs, PCBs & TAL Metals

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bsg)	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	PH1_SB01 PH1_SB01_9-11 L2044116-04 10/14/2020 9-11	PH1_SB02 PH1_SB02_0-2 L2044116-02 10/14/2020 0-2	PH1_SB02 PH1_SB02_13-15 L2044116-03 10/14/2020 13-15	PH1_SB03 PH1_SB03_7-9 L2044727-03 10/16/2020 7-9	PH1_SB03 PH1_SB03_11-13 L2044727-04 10/16/2020 11-13	PH1_SB04 PH1_SB04_0-2 L2044727-01 10/16/2020 0-2	PH1_SB04 PH1_SB04_7-9 L2044727-02 10/16/2020 7-9	PH1_SB05 PH1_SB05_7-9 L2044509-04 10/15/2020 7-9	PH1_SB05 PH1_SB05_11-13 L2044509-05 10/15/2020 11-13	PH1_SB07 PH1_SB07_1-3 L2052874-01 11/25/2020 1-3	PH1_SB07 PH1_SODUP01_112520 L2052874-06 11/25/2020 1-3	PH1_SB08 PH1_SB08_1-3 L2052874-02 11/25/2020 1-3	PH1_SB09 PH1_SB09_0-2 L2052874-03 11/25/2020 0-2	PH1_SB10 PH1_SB10_1-3 L2052874-04 11/25/2020 1-3	PH1_SB11 PH1_SB11_12-14 L2052874-05 11/25/2020 12-14
Volatile Organic Compounds (mg/kg)																		
1,2,4,5-Tetramethylbenzene	~	~	0.0031	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.025	0.0021 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	3.6	52	0.037	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.0046	0.0021 U	NA	NA	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0082	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.024	0.0021 U	NA	NA	NA	NA
1,4-Diethyl Benzene	~	~	0.0051	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.062	0.0021 U	NA	NA	NA	NA
4-Ethyltoluene	~	~	0.021	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.014	0.0021 U	NA	NA	NA	NA
Acetone	0.05	100	0.016	0.028	0.0094 U	0.015	0.0096 U	0.011 U	0.0096 U	0.0094 U	0.0087 U	0.022	0.01 U	NA	NA	NA	NA
Benzene	0.06	4.8	0.00031 J	0.00061 U	0.00047 U	0.00049 U	0.00048 U	0.00056 U	0.00048 U	0.00047 U	0.00043 U	0.00046 U	0.00052 U	NA	NA	NA	NA
Chloroform	0.37	49	0.0016 U	0.0018 U	0.0014 U	0.0015 U	0.0014 U	0.0017 U	0.0014 U	0.0014 U	0.00044 J	0.0014 U	0.0016 U	NA	NA	NA	NA
Cymene	~	~	0.0002 J	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00087 U	0.008	0.001 U	NA	NA	NA	NA
Ethylbenzene	1	41	0.0087	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.0002 J	0.0003 J	0.001 U	NA	NA	NA	NA
Isopropylbenzene (Cumene)	~	~	0.00094 J	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00087 U	0.0012	0.001 U	NA	NA	NA	NA
M,P-Xylene	~	~	0.04	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.00062 J	0.00064 J	0.0021 U	NA	NA	NA	NA
Naphthalene	12	100	0.0072	0.0049 U	0.0037 U	0.0039 U	0.0039 U	0.0044 U	0.0038 U	0.0038 U	0.0035 U	0.019	0.0042 U	NA	NA	NA	NA
n-Butylbenzene	12	100	0.00099 J	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00087 U	0.0025	0.001 U	NA	NA	NA	NA
n-Propylbenzene	3.9	100	0.0036	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00087 U	0.0011	0.001 U	NA	NA	NA	NA
o-Xylene (1,2-Dimethylbenzene)	~	~	0.022	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00026 J	0.0016	0.001 U	NA	NA	NA	NA
Sec-Butylbenzene	11	100	0.00025 J	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00087 U	0.005	0.001 U	NA	NA	NA	NA
T-Butylbenzene	5.9	100	0.0021 U	0.0024 U	0.0019 U	0.002 U	0.0019 U	0.0022 U	0.0019 U	0.0019 U	0.0017 U	0.00049 J	0.0021 U	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	19	0.0002 J	0.00061 U	0.00047 U	0.0014	0.00048 U	0.00056 U	0.00048 U	0.00047 U	0.00043 U	0.00046 U	0.00052 U	NA	NA	NA	NA
Toluene	0.7	100	0.02	0.0013	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.0014	0.00092 U	0.001 U	NA	NA	NA	NA
Total Xylenes	0.26	100	0.062	0.0012 U	0.00094 U	0.00098 U	0.00096 U	0.0011 U	0.00096 U	0.00094 U	0.00088 J	0.0022 J	0.001 U	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)																		
2-Methylnaphthalene	~	~	0.22 U	0.21 U	0.14 J	0.22 U	0.24 U	0.18 J	0.22 U	0.23 U	0.24 U	3.9	0.23 U	0.022 J	0.22 U	0.026 J	0.22 U
Acenaphthene	20	100	0.072 J	0.14 U	0.27	0.15 U	0.16 U	0.14 U	0.079 J	0.16 U	0.16 U	0.43	0.15 U	0.057 J	0.028 J	0.11 J	0.15 U
Acenaphthylene	100	100	0.089 J	0.037 J	0.16 U	0.15 U	0.16 U	0.14 U	0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.057 J	0.076 J	0.049 J	0.15 U
Acetophenone	~	~	0.19 U	0.18 U	0.2 U	0.19 U	0.2 U	0.18	0.18 U	0.19 U	0.2 U	0.18 U	0.19 U	0.17 U	0.18 U	0.19 U	0.18 U
Anthracene	100	100	0.39	0.11 U	0.49	0.11 U	0.12 U	0.11 U	0.21	0.12 U	0.12 U	0.22	0.12 U	0.16	0.1 J	0.31	0.11 U
Benzo(a)anthracene	1	1	**1.2**	0.073 J	0.57	0.11 U	0.05 J	0.05 J	0.48	0.056 J	0.094 J	0.086 J	0.12 U	0.46	0.34	0.79	0.049 J
Benzo(a)pyrene	1	1	1	0.085 J	0.52	0.15 U	0.054 J	0.067 J	0.46	0.065 J	0.12 J	0.076 J	0.15 U	0.95	0.39	0.79	0.053 J
Benzo(b)fluoranthene	1	1	**1.2**	0.12	0.65	0.11 U	0.064 J	0.098 J	0.54	0.068 J	0.14	0.1 J	0.12 U	0.92	0.48	0.89	0.064 J
Benzo(g,h,i)Perylene	100	100	0.37	0.08 J	0.3	0.15 U	0.032 J	0.069 J	0.27	0.037 J	0.08 J	0.045 J	0.15 U	2.2	0.28	0.4	0.039 J
Benzo(k)fluoranthene	0.8	3.9	0.36	0.038 J	0.19	0.11 U	0.12 U	0.11 U	0.18	0.12 U	0.046 J	0.11 U	0.12 U	0.31	0.15	0.34	0.11 U
Benzyl Butyl Phthalate	~	~	0.19 U	0.18 U	0.37	0.19 U	0.2 U	0.18 U	0.18 U	0.19 U	0.2 U	0.18 U	0.19 U	0.17 U	0.18 U	0.19 U	0.18 U
Biphenyl (Diphenyl)	~	~	0.42 U	0.4 U	0.45 U	0.42 U	0.46 U	0.41 U	0.42 U	0.44 U	0.46 U	0.28 J	0.44 U	0.4 U	0.42 U	0.43 U	0.42 U
Bis(2-ethylhexyl) phthalate	~	~	0.19 U	0.18 U	0.2 U	0.19 U	0.2 U	0.074 J	0.18 U	0.19 U	0.2 U	0.18 U	0.19 U	0.17 U	0.18 U	0.19 U	0.18 U
Carbazole	~	~	0.052 J	0.18 U	0.24	0.19 U	0.2 U	0.18 U	0.056 J	0.19 U	0.2 U	0.18 U	0.19 U	0.11 J	0.052 J	0.16 J	0.18 U
Chrysene	1	3.9	0.9	0.077 J	0.5	0.11 U	0.042 J	0.092 J	0.43	0.051 J	0.088 J	0.11	0.12 U	0.49	0.38	0.74	0.047 J
Dibenz(a,h)anthracene	0.33	0.33	0.087 J	0.11 U	0.066 J	0.11 U	0.12 U	0.025 J	0.064 J	0.12 U	0.12 U	0.11 U	0.12 U	0.33	0.062 J	0.11	0.11 U
Dibenzofuran	7	59	0.053 J	0.18 U	0.27	0.19 U	0.2 U	0.18 U	0.03 J	0.19 U	0.2 U	0.2	0.19 U	0.037 J	0.18 U	0.069 J	0.18 U
Fluoranthene	100	100	2.3	0.14	1.6	0.11 U	0.1 J	0.084 J	1	0.1 J	0.18	0.26	0.032 J	0.86	0.64	1.7	0.09 J
Fluorene	30	100	0.1 J	0.18 U	0.34	0.19 U	0.2 U	0.18 U	0.052 J	0.19 U	0.2 U	0.77	0.19 U	0.057 J	0.032 J	0.1 J	0.18 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.47	0.077 J	0.35	0.15 U	0.038 J	0.052 J	0.29	0.04 J	0.081 J	0.048 J	0.15 U	**1.9**	0.27	0.45	0.039 J
Naphthalene	12	100	0.03 J	0.18 U	0.27	0.19 U	0.2 U	0.22	0.022 J	0.19 U	0.2 U	0.82	0.19 U	0.025 J	0.18 U	0.055 J	0.18 U
Phenanthrene	100	100	1.6	0.055 J	1.9	0.11 U	0.054 J	0.16	0.85	0.041 J	0.074 J	1.4	0.12 U	0.74	0.46	1.2	0.052 J
Pyrene	100	100	2	0.13	1.3	0.11 U	0.098 J	0.08 J	0.95	0.098 J	0.18	0.62	0.028 J	0.78	0.62	1.4	0.08 J
Polychlorinated Biphenyls (mg/kg)																		
PCB-1254 (Aroclor 1254)	~	~	0.0367 U	0.132 P	0.02 J	0.0102 J	0.0398 U	0.0358 U	0.0357 U	0.0385 U	0.0407 U	NA	NA	NA	NA	NA	NA
Total PCBs	0.1	1	0.0367 U	**0.132**	0.02 J	0.0102 J	0.0398 U	0.0358 U	0.0357 U	0.0385 U	0.0407 U	NA	NA	NA	NA	NA	NA
Inorganics (mg/kg)																		
Aluminum	~	~	11,300	12,700	11,900	8,620	13,200	5,140	7,470	7,170	9,370	8,090	8,420	12,600	5,360	7,840	11,400
Antimony	~	~	4.51 U	6.77	4.76 U	0.707 J	8.3	4.26 U	4.31 U	4.61 U	4.69 U	4.36 U	4.52 U	4.11 U	4.43 U	0.396 J	4.34 U
Arsenic	13	16	2.76	12.2	0.933 J	1.69	1.23	5.76	5.84	4.63	4.25	2.75	3.19	3.67	2.74	5.61	2.99
Barium	350	400	224	152	193	63.6	**396**	168	178	59.5	69.1	49.4	61	121	47.7	77.4	144
Beryllium	7.2	72	0.252 J	0.457	0.257 J	0.375 J	0.166 J	0.281 J	0.284 J	0.249 J	0.122 J	0.227 J	0.262 J	0.247 J	0.212 J	0.325 J	0.434 U
Cadmium	2.5	4.3	0.902 U	0.831 U	0.952 U	0.087 J	0.979 U	0.4 J	0.862 U	0.553 J	0.647 J	0.358 J	0.443 J	0.633 J	0.372 J	0.528 J	0.521 J
Calcium	~	~	24,600	5,610	35,200	2,280	22,900	57,600	40,600	1,950	1,920	1,420	1,580	2,900	1,300	3,030	8,730
Chromium, Hexavalent	1	110	0.916 U	0.761 J	0.976 U	0.202 J	0.995 U	0.869 U	0.891 U	0.283 J	0.492 J	0.906 U	0.944 U	0.85 U	0.904 U	0.922 U	0.422 J
Chromium, Total	~	~	24.6	44.3	32.4	13.6	41.8	11.5	19.4	12.7	17.9	17	19.4	26.2	12.5	14.8	30.9
Chromium, Trivalent	30	180	25	**44** J	**32**	13 J	**42**	12	19	12 J	17 J	17	19	26	12	15	30 J
Cobalt	~	~	11.7	29.2	12.8	6.51	11.8	4.3	7.08	6.23	7.5	5.5	6.66	10.4	5.6	6.03	11.9
Copper	50	270	46.3	**465**	32.4	**51.4**	**92.8**	**828**	43.4	21.4	21.1	14.5	19.6	30	15.8	22.7	25.8
Iron	~	~	23,500	146,000	23,900	14,200	27,000	11,500	13,500	13,900	15,900	12,500	13,700	23,200	13,700	18,000	20,400
Lead	63	400	46.7	**316**	38.4	**209**	**285**	**218**	**228**	**121**	**102**	59.9	**72.7**	**74.3**	32	**102**	40
Magnesium	~	~	5,600	6,660	16,200	2,510	8,870	3,660	10,500	2,560	3,340	1,830	2,070	4,780	1,940	1,600	6,630
Manganese	1,600	2,000	278	891	267	149	269	165	313	243	234	160	260	412	243	390	351
Mercury	0.18	0.81	0.155	0.118	0.078 U	**0.181**	0.175	**0.25**	**0.253**	**0.543**	**0.37**	0.08 U	0.061 J	0.074 U	0.074 U	0.087	0.088
Nickel	30	310	20.6	**48.9**	24.8	14.2	22.8	10.7	17.5	13	14.9	13.1	15.1	16.8	18.9	10.5	21
Potassium	~	~	5,330	4,740	6,480	763	8,750	1,690	2,360	643	1,190	738	857	4,020	1,050	471	5,250
Selenium	3.9	180	1.8 U	1.15 J	0.809 J	1.74 U	0.901 J	0.366 J	1.18 J	0.553 J	0.629 J	0.314 J	0.235 J	0.65 J	1.77 U	0.519 J	0.548 J
Sodium	~	~	400	154 J	241	155 J	271	614	320	151 J	175 J	41.8 J	74.5 J	168	63.6 J	78.7 J	204
Vanadium	~	~	44.4	78.5	45.8	17.3	62.1	16.2	20.8	18.5	23.3	22.1	25.2	45.6	19.1	21.6	39.8
Zinc	109	10,000	**127**	**168**	74.4	**207**	**238**	**272**	**230**	61.4	91.2	55.4	68.1	85.8	44.4	77.6	68.2
General Chemistry (%)																		
Total Solids	~	~	87.3	93.3	82	89	80.4	92.1	89.8	84.7	81.3	88.3	84.7	94.1	88.5	86.8	87.7

Notes provided on Page 2.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 2A
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary- VOCs, SVOCs, PCBs & TAL Metals

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Only detected analytes are shown in the table.
3. Detected analytical results above Unrestricted Use SCOs are bolded.
4. Detected analytical results above Restricted Use Restricted-Residential SCOs are shaded.
5. Analytical results with reporting limits (RL) above the lowest applicable criteria are italicized.
6. Sample PH1_SODUP01_112520 is a duplicate sample of PH1_SB07_1-3.
7. ~ = Regulatory limit for this analyte does not exist
8. bsg = below sidewalk grade
9. mg/kg = milligrams per kilogram
10. % = percent
11. NA = Not analyzed
12. VOC = Volatile Organic Compound
13. SVOC = Semivolatile Organic Compound
14. PCB = Polychlorinated Biphenyl
15. TAL = Target Analyte List

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Notes provided on Page 2.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 2B
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results - TCLP Metals

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Location		PH1_SB02		PH1_SB03		PH1_SB03		PH1_SB04		PH1_SB04		PH1_SB05		PH1_SB05	
Sample ID	RCRA	PH1_SB02_0-2		PH1_SB03_7-9		PH1_SB03_11-13		PH1_SB04_0-2		PH1_SB04_7-9		PH1_SB05_7-9		PH1_SB05_11-13	
Laboratory ID	Characteristics for	L2044116-02		L2044727-03		L2044727-04		L2044727-01		L2044727-02		L2044509-04		L2044509-05	
Sample Date	Hazardous Waste	10/14/2020		10/16/2020		10/16/2020		10/16/2020		10/16/2020		10/15/2020		10/15/2020	
Sample Depth (feet bsg)		0-2		7-9		11-13		0-2		7-9		7-9		11-13	
TCLP - Inorganics (mg/L)															
Arsenic	5	0.022	J	0.022	J	0.026	J	1	U	0.021	J	1	U	0.028	J
Barium	100	0.514		0.779		1.12		0.4	J	0.338	J	0.268	J	0.354	J
Cadmium	1	0.1	U	0.011	J	0.1	U	0.021	J	0.1	U	0.1	U	0.1	U
Chromium, Total	5	0.2	U	0.2	U	0.2	U	0.042	J	0.2	U	0.2	U	0.2	U
Lead	5	0.154	J	0.284	J	0.5	U	1.14		0.033	J	0.5	U	0.5	U
Mercury	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium	1	0.5	U	0.5	U	0.5	U	0.5	U	0.045	J	0.5	U	0.5	U
Silver	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Notes provided on Page 3.

Table 2B
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results - TCLP Metals

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Location	RCRA	PH1_SB02		PH1_SB07		PH1_SB07		PH1_SB08		PH1_SB09		PH1_SB10		PH1_SB11	
Sample ID	Characteristics for	PH1_SB02_0-2		PH1_SB07_1-3		PH1_SODUP01_112520		PH1_SB08_1-3		PH1_SB09_0-2		PH1_SB10_1-3		PH1_SB11_12-14	
Laboratory ID	Hazardous Waste	L2044116-02		L2052874-01		L2052874-06		L2052874-02		L2052874-03		L2052874-04		L2052874-05	
Sample Date		10/14/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020		11/25/2020	
Sample Depth (feet bsg)		0-2		1-3		1-3		1-3		0-2		1-3		12-14	
TCLP - Inorganics (mg/L)															
Arsenic	5	0.022		1	U	1	U	1	U	1	U	1	U	1	U
Barium	100	0.514		0.448	J	0.521		0.543		0.578		0.585		0.696	
Cadmium	1	0.1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, Total	5	0.2		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead	5	0.154		0.034	J	0.5	U	0.09	J	0.576		0.106	J	0.044	J
Mercury	0.2	0.001		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium	1	0.5		0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver	5	0.1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Notes provided on Page 3.

Table 2B
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results - TCLP Metals

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Notes:
1. Soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
2. Sample PH1_SODUP01_112520 is a duplicate sample of PH1_SB07_1-3.
3. mg/L = milligrams per liter
4. bsg = below sidewalk grade
5. TCLP = Toxicity Characteristic Leaching Procedure

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results Summary

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Location	NYSDEC	PH1_MW02		PH1_MW03		PH1_MW05	
Sample ID	SGVs	PH1_MW02_101420		PH1_MW03_101620		PH1_MW05_101520	
Laboratory ID		L2044116-05		L2044727-05		L2044509-07	
Sample Date		10/14/2020		10/16/2020		10/15/2020	
Volatile Organic Compounds (µg/L)							
Acetone	50	5	U	5	U	1.6	J
Tert-Butyl Methyl Ether	10	3.3		0.96	J	2.5	U
Semivolatile Organic Compounds (µg/L)							
2-Methylnaphthalene	~	0.1	U	0.03	J	0.1	U
Acenaphthene	20	0.1	U	0.03	J	0.1	J
Acenaphthylene	~	0.1	U	0.08	J	0.1	U
Anthracene	50	0.04	J	0.08	J	0.02	J
Benzo(a)Anthracene	0.002	**0.05**	J	**0.53**		*0.1*	U
Benzo(a)Pyrene	0	**0.03**	J	**0.69**		*0.1*	U
Benzo(b)Fluoranthene	0.002	**0.03**	J	**0.71**		**0.02**	J
Benzo(g,h,i)Perylene	~	0.02	J	0.52		0.1	U
Benzo(k)Fluoranthene	0.002	**0.02**	J	**0.27**		*0.1*	U
Chrysene	0.002	**0.04**	J	**0.52**		*0.1*	U
Dibenz(a,h)Anthracene	~	0.1	U	0.1	J	0.1	U
Di-N-Butyl Phthalate	50	5	U	5	U	1.1	J
Fluoranthene	50	0.05	J	0.89		0.05	J
Fluorene	50	0.03	J	0.04	J	0.1	U
Indeno(1,2,3-c,d)Pyrene	0.002	**0.02**	J	**0.54**		*0.1*	U
Naphthalene	10	0.09	J	0.1	U	0.1	U
Phenanthrene	50	0.12		0.19		0.04	J
Pyrene	50	0.09	J	0.91		0.05	J
Polychlorinated Biphenyls (µg/L)	~	ND		ND		ND	
Inorganics (µg/L)							
Aluminum	~	646		4,130		2,130	
Aluminum (Dissolved)	~	7.9	J	5.86	J	10	U
Antimony	3	1.24	J	0.75	J	*4*	U
Antimony (Dissolved)	3	1.29	J	0.73	J	*4*	U
Arsenic	25	3.15		2		11.91	
Arsenic (Dissolved)	25	2.37		0.64		11.2	
Barium	1,000	239.8		169.3		13.12	
Barium (Dissolved)	1,000	219.5		127.8		9.7	
Beryllium	3	0.5	U	0.17	J	0.11	J
Cadmium	5	0.11	J	0.29		0.2	U
Cadmium (Dissolved)	5	0.13	J	0.14	J	0.2	U
Calcium	~	194,000		108,000		81,200	
Calcium (Dissolved)	~	195,000		108,000		80,700	
Chromium, Total	50	2.08		10.68		3.85	
Chromium, Total (Dissolved)	50	0.79	J	0.86	J	0.84	J
Chromium, Trivalent	~	10	U	10		10	U
Cobalt	~	3.37		4.36		2.16	
Cobalt (Dissolved)	~	2.83		1.54		1.43	
Copper	200	4.17		33.34		2.63	
Copper (Dissolved)	200	3.45		5.25		1	U
Iron	300	**1,830**		**5,810**		**30,100**	
Iron (Dissolved)	300	**595**		90.7		**28,400**	
Lead	25	7.02		**74.44**		3.6	
Lead (Dissolved)	25	0.4	J	0.49	J	1	U
Magnesium	35,000	**48,600**		18,500		15,200	
Magnesium (Dissolved)	35,000	**47,400**		18,000		15,800	
Manganese	300	**1,232**		280.3		**2,622**	
Manganese (Dissolved)	300	**1,135**		218.8		**2,786**	
Mercury	0.7	0.2	U	0.22		0.2	U
Nickel	100	4.84		10.77		10.35	
Nickel (Dissolved)	100	3.79		2.99		8.48	
Potassium	~	26,200		18,100		16,200	
Potassium (Dissolved)	~	26,300		17,400		15,700	
Selenium	10	5	U	2.04	J	5	U
Sodium	20,000	**142,000**		**207,000**		**157,000**	
Sodium (Dissolved)	20,000	**140,000**		**215,000**		**160,000**	
Thallium	0.5	0.15	J	0.18	J	0.5	U
Thallium (Dissolved)	0.5	*1*	U	0.5	U	0.15	J
Vanadium	~	4.52	J	12.81		4.4	J
Vanadium (Dissolved)	~	2.56	J	5	U	5	U
Zinc	2,000	14.52		84.09		6.51	J
Zinc (Dissolved)	2,000	10.99		13.59		10	U

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
2. Only detected analytes are shown in the table.
3. Detected analytical results above NYSDEC SGVs are bolded and shaded.
4. Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
5. ~ = Regulatory limit for this analyte does not exist
6. µg/L = micrograms per liter
7. ND = Not detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Phase II Environmental Site Investigation Report
Soil Vapor Sample Analytical Results Summary

One 45 - Phase 1
New York, New York
Langan Project No.: 170635401

Location Sample ID Laboratory ID Sample Date Sample Type	NYSDOH Decision Matrices Minimum Concentrations	NYSDOH AGVs	PH1_SV02 PH1_SV02_101320 L2044099-01 10/14/2020 SV		PH1_SV04 PH1_SV04_101820 L2044862-01 10/18/2020 SV	
Volatile Organic Compounds (µg/m³)						
1,2,4-Trimethylbenzene	~	~	9.05		8.21	
1,2-Dichloroethane	~	~	0.809	U	4.57	
1,3,5-Trimethylbenzene (Mesitylene)	~	~	2.66		5.46	U
1,3-Butadiene	~	~	0.998		8.32	
1,4-Dichlorobenzene	~	~	1.2	U	9.38	
2,2,4-Trimethylpentane	~	~	92.5		5.18	U
2-Hexanone	~	~	18.4		4.55	U
4-Ethyltoluene	~	~	1.5		5.46	U
Acetone	~	~	221		1,390	
Benzene	~	~	4.54		38	
Carbon Disulfide	~	~	7.91		28.1	
Carbon Tetrachloride	6	~	1.26	U	0.906	
Chloroform	~	~	25		8.94	
Cyclohexane	~	~	2.85		1,250	
Dichlorodifluoromethane	~	~	85.1		12.5	
Ethanol	~	~	25.8		52.4	U
Ethylbenzene	~	~	2.26		8.08	
Isopropanol	~	~	4.87		26.3	
M,P-Xylene	~	~	8.9		31.4	
Methyl Ethyl Ketone (2-Butanone)	~	~	56		12.6	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	18.2		11.4	U
n-Heptane	~	~	7.29		51.6	
n-Hexane	~	~	21		90.2	
o-Xylene (1,2-Dimethylbenzene)	~	~	4.07		9.69	
Tert-Butyl Alcohol	~	~	36.7		8.43	U
Tetrachloroethene (PCE)	100	30	**146**		**290**	
Tetrahydrofuran	~	~	6.67		8.2	U
Toluene	~	~	9.8		93.1	
Total Xylenes	~	~	12.9		41.1	
Trichloroethene (TCE)	6	2	4		2.21	
Trichlorofluoromethane	~	~	1,390		6.24	U

Notes:
1. Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
2. NYSDOH Air Guideline Values (AGV) as set forth in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York and subsequent updates (2013, 2015) are shown for reference only.
3. Only detected analytes are shown in the table.
4. Detected analytical results above the minimum soil vapor concentrations recommending mitigation are bolded and shaded.
5. ~ = Regulatory limit for this analyte does not exist
6. µg/m^3 = micrograms per cubic meter
7. SV = Soil Vapor

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

APPENDIX A

GEOPHYSICAL SURVEY

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

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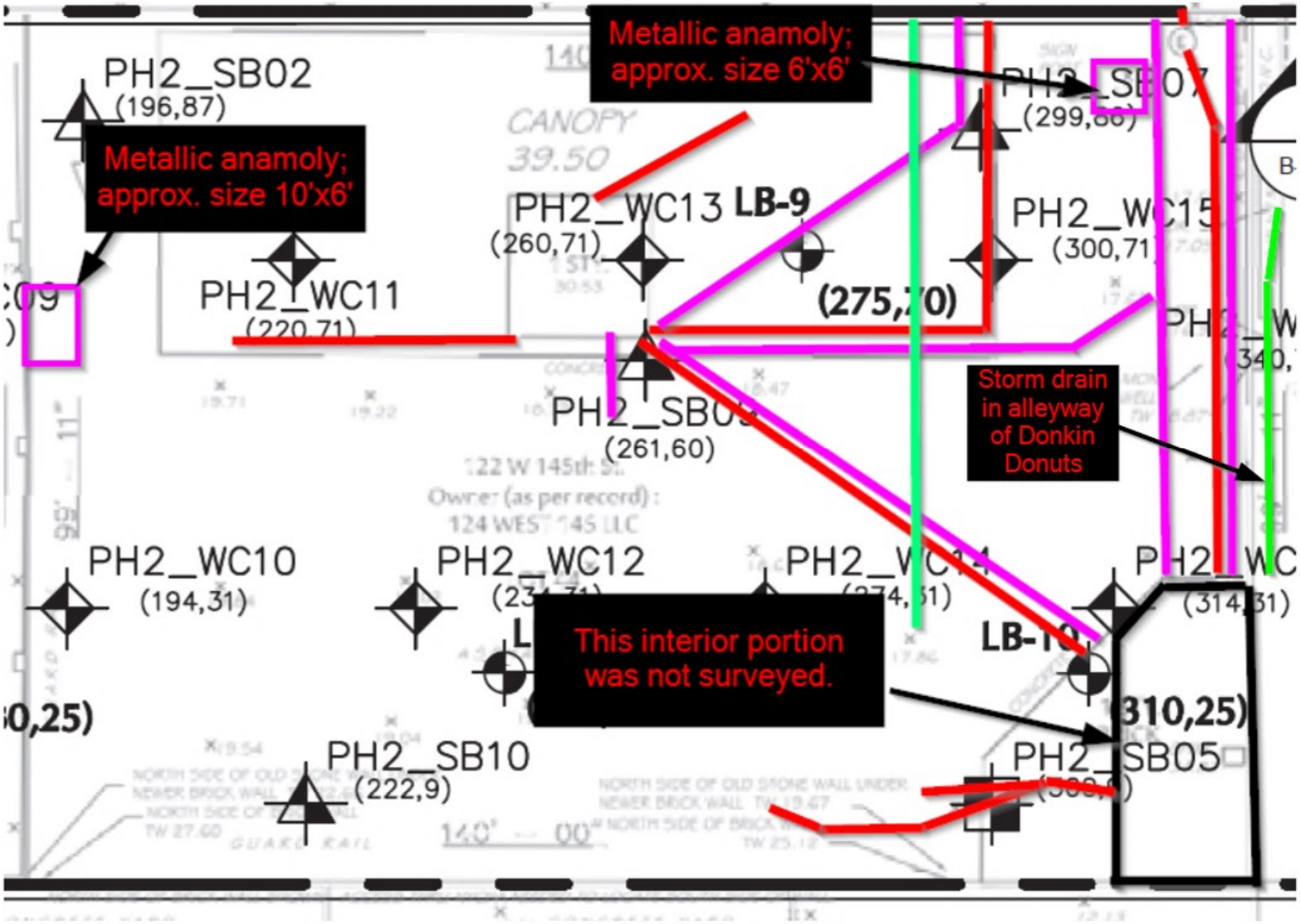

Survey area 01 - vacant gas station

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

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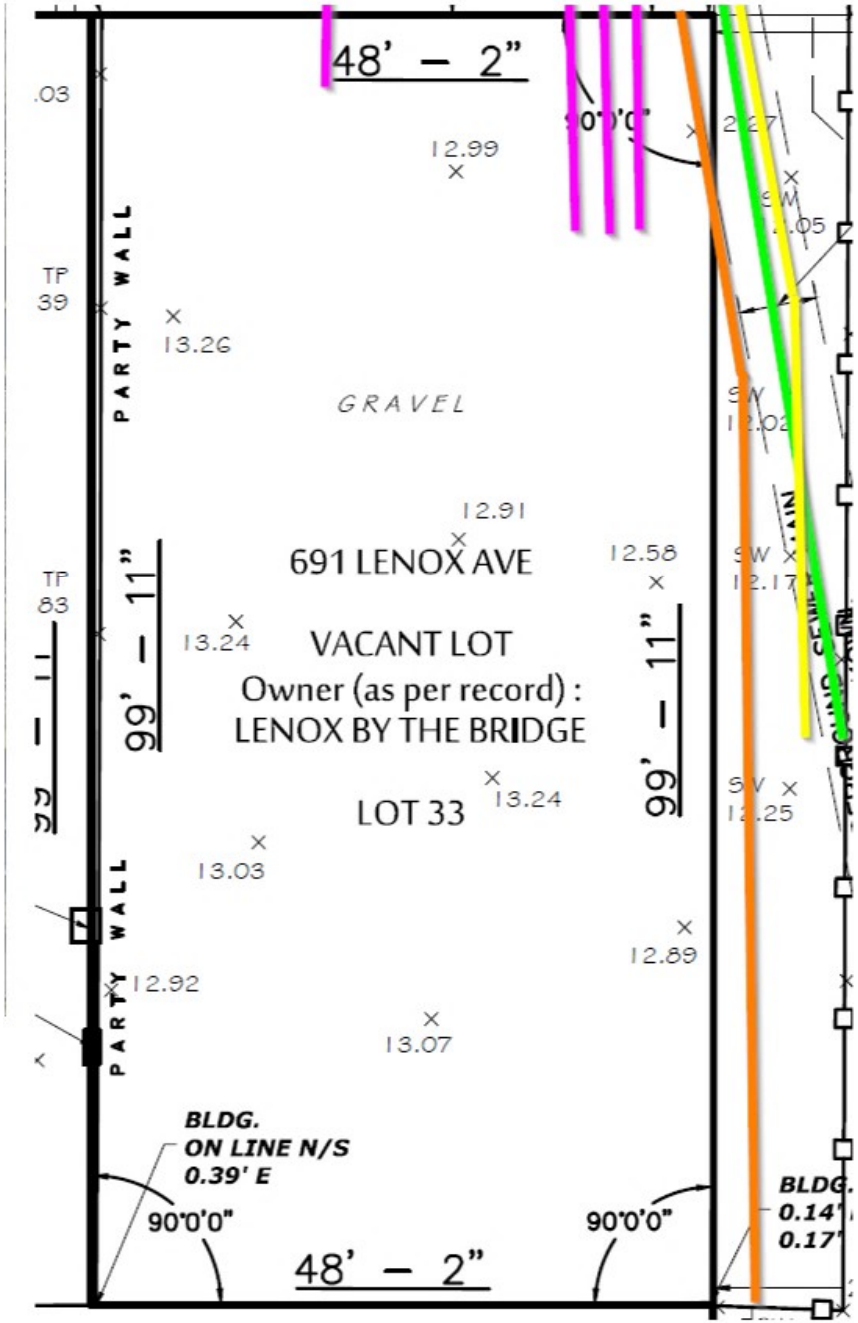

Survey area 02 - vacant lot at the corner of W145th Street and Lenox Ave

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

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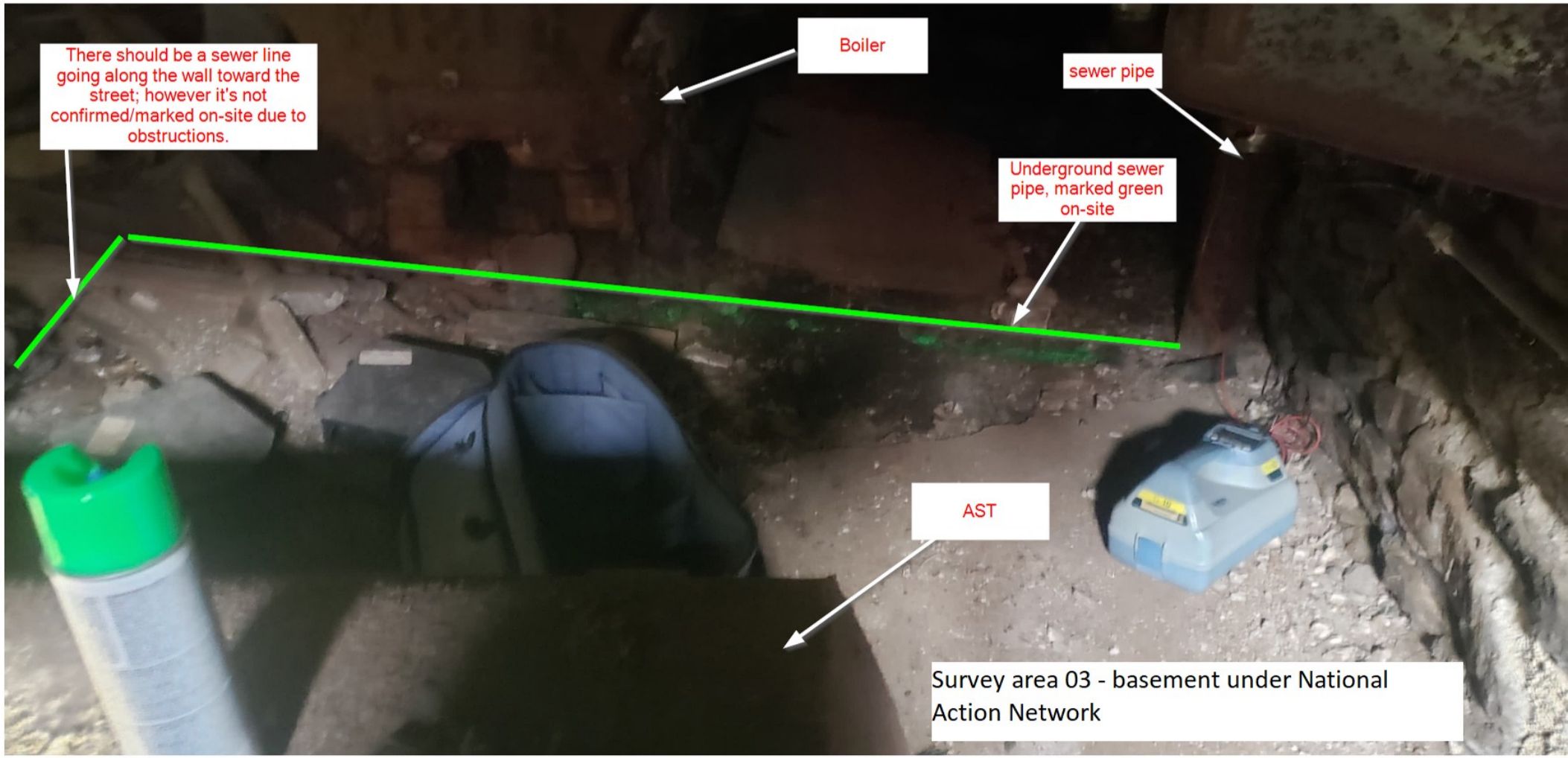
BLOOD HOUND
Underground Utility Locators



Survey area 03 - basement under National Action Network

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

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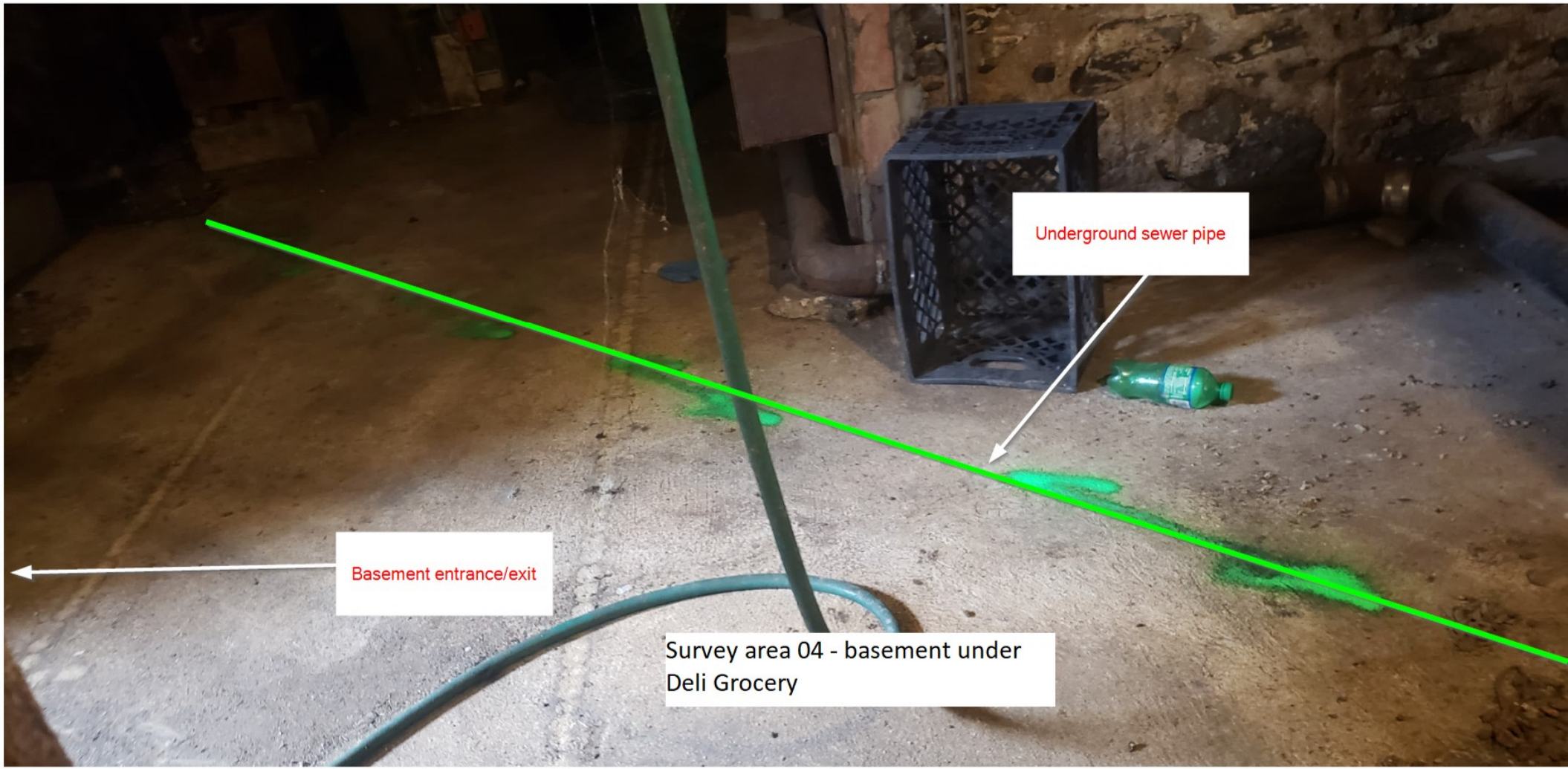
BLOOD HOUND
Underground Utility Locators



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BLOOD HOUND
Underground Utility Locators

Right half basement

Left half basement

Survey area 05 - basement under pizza place

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

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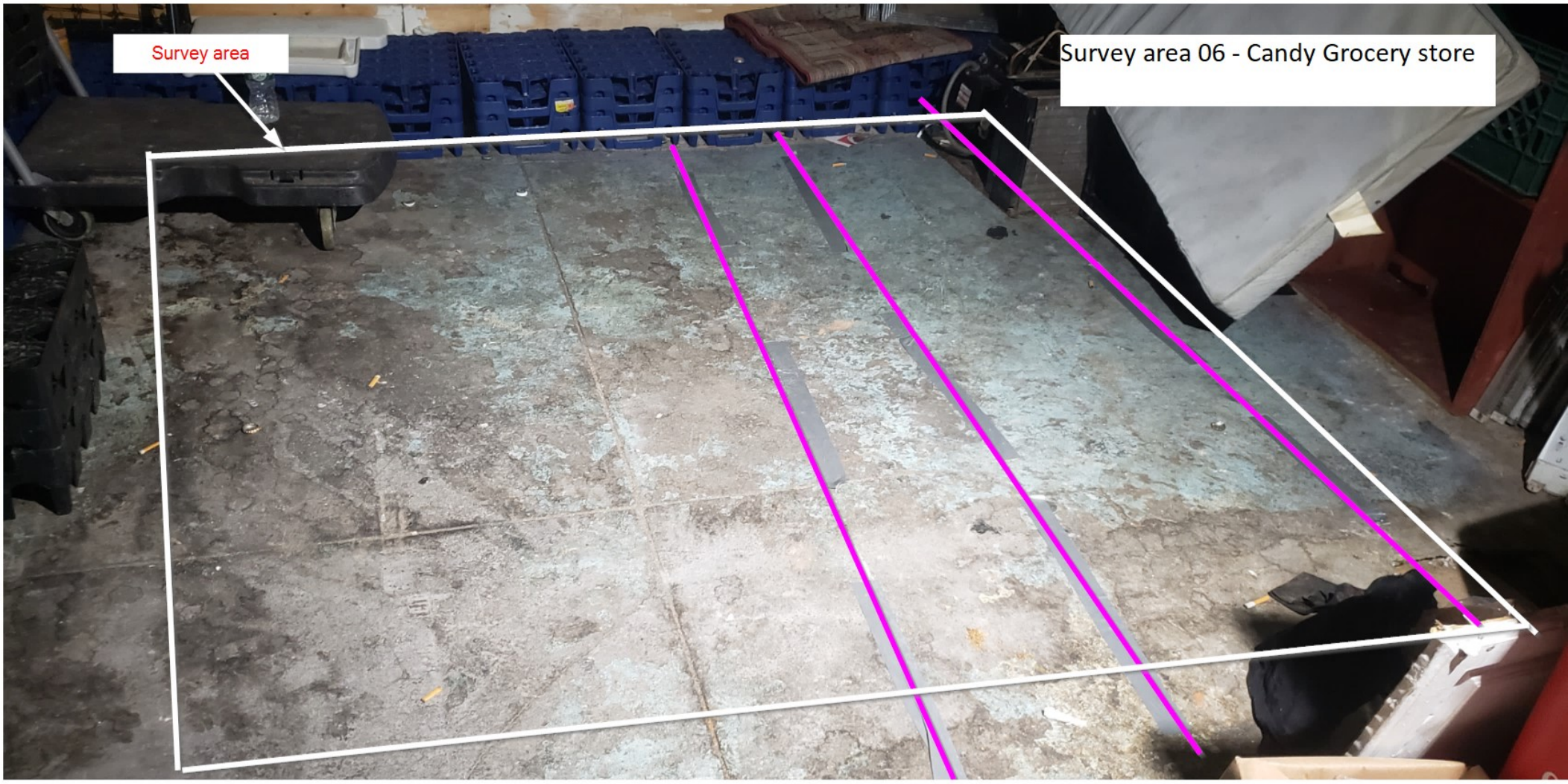
BLOOD HOUND
Underground Utility Locators



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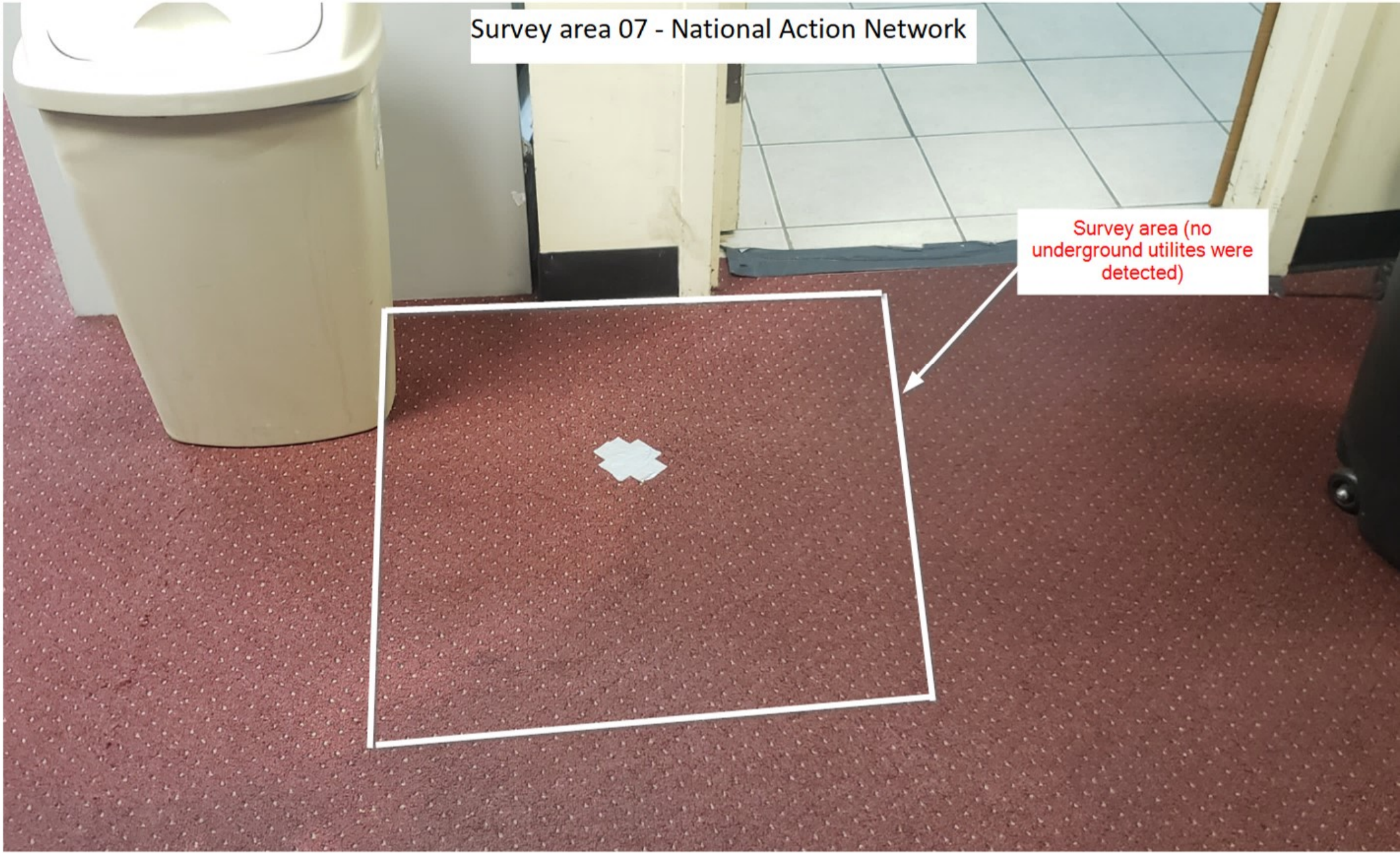
BLOOD HOUND
Underground Utility Locators



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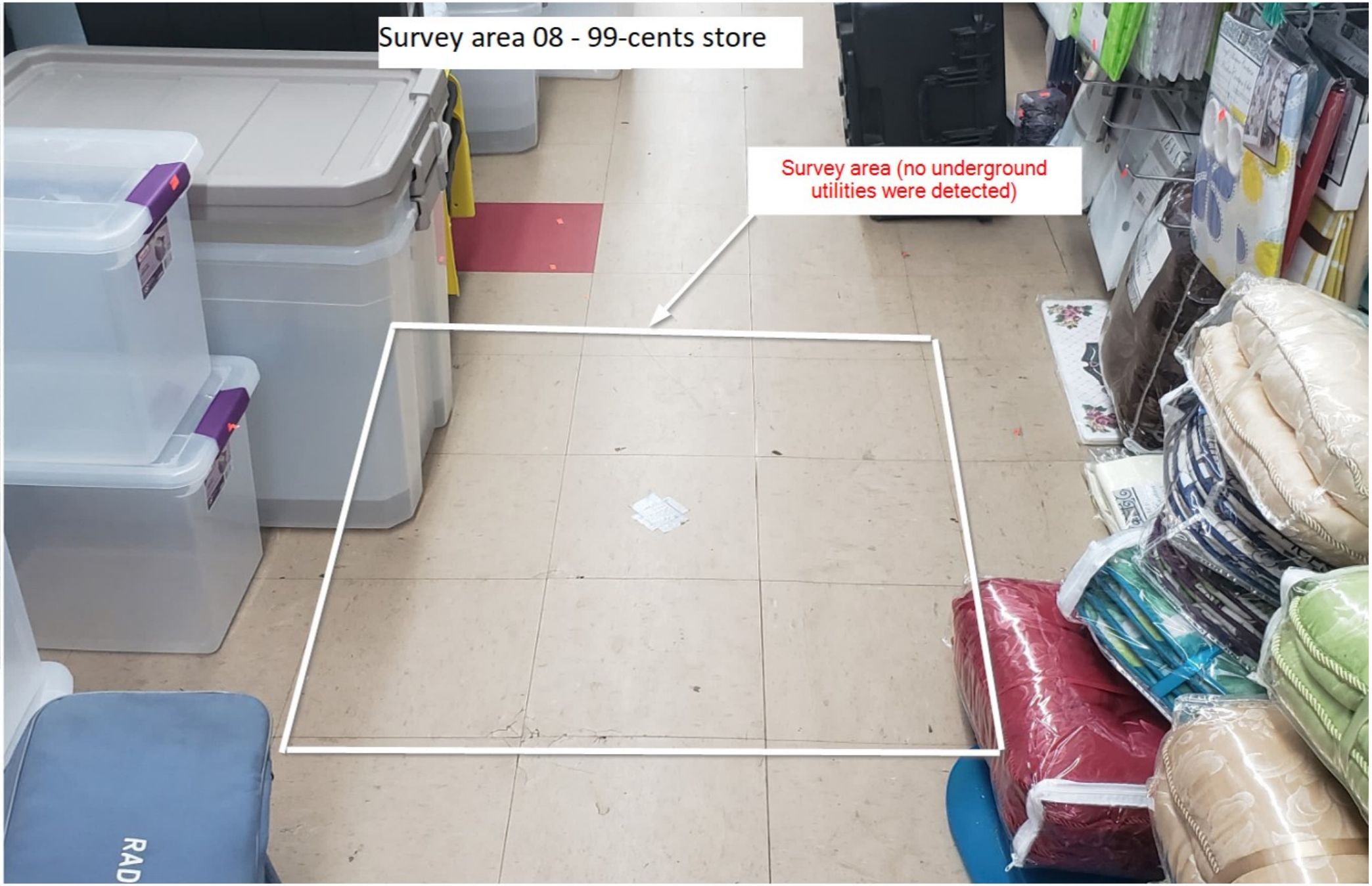
BLOOD HOUND
Underground Utility Locators



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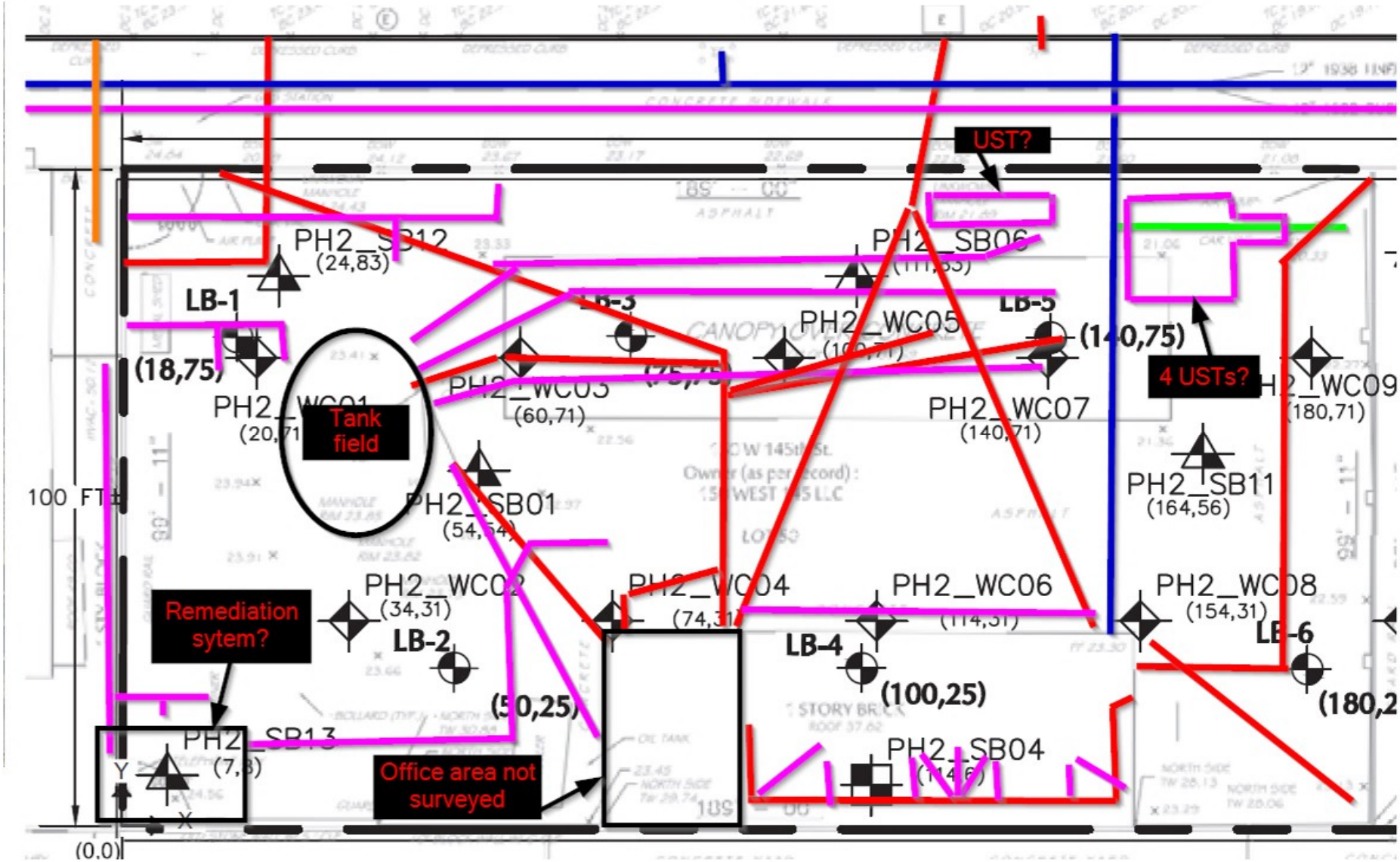

Survey area 09 - Mobil gas station and the sidewalk

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

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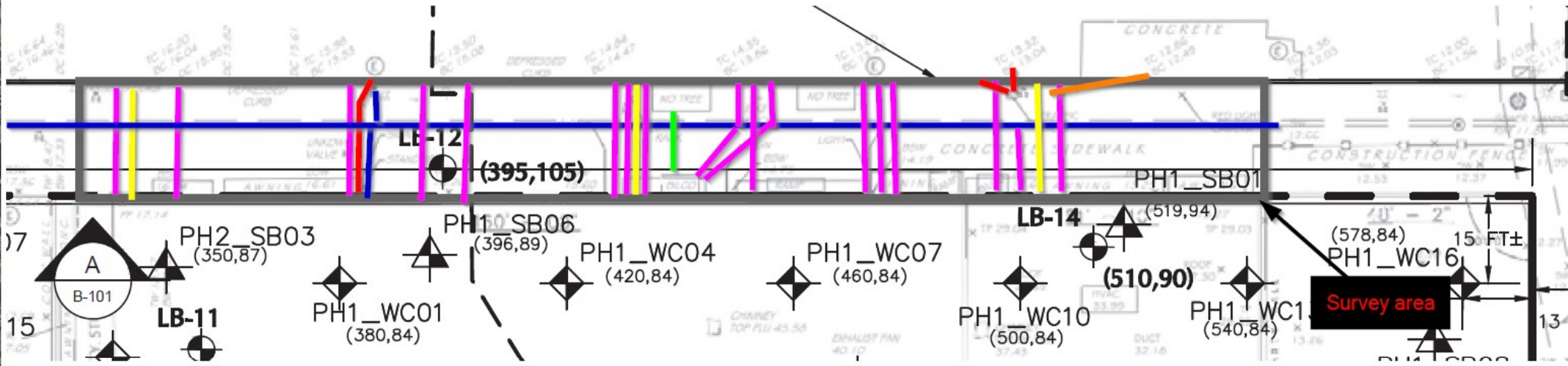

Survey area 10 - Sidewalk of 145th street in front of retail stores

Red - Electric power lines, conduit and street light cable	Yellow - Gas, Oil, Steam, petroleum or gaseous material	Orange - Communications, Fiber Optic, CATV, and/or alarm.	Blue - Potable water.	Purple - Reclaimed water, irrigation, and/or slurry lines	Green - Sewers and drains	Pink - Temporary survey marking or unknown structures	White - proposed excavation.

This is NOT to-scale

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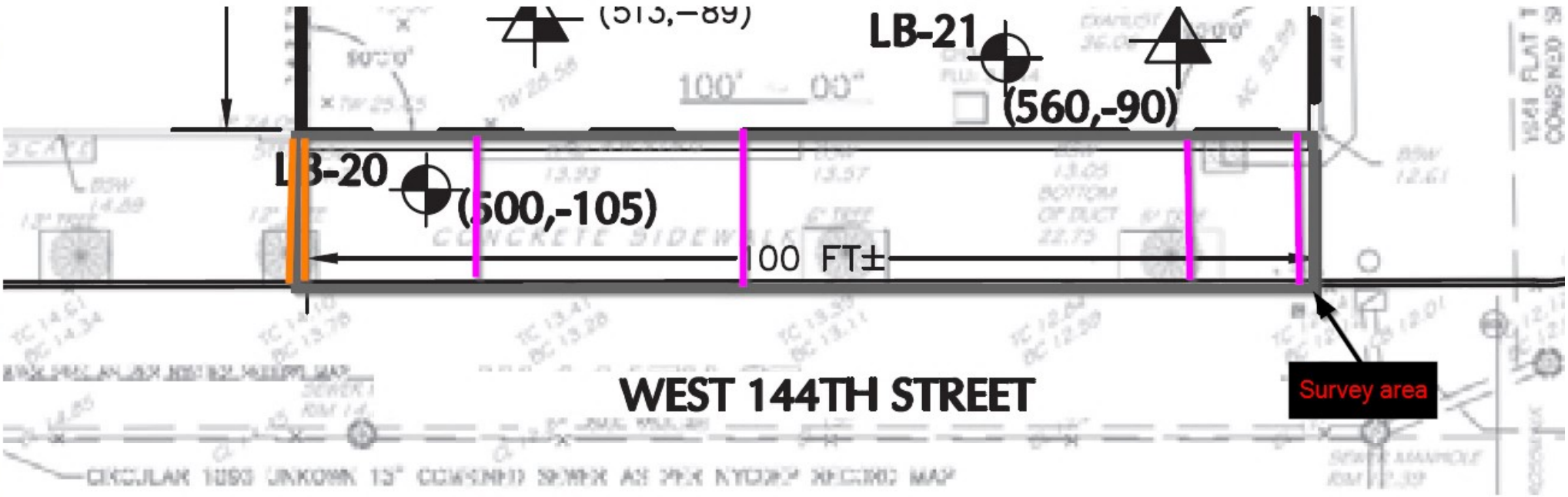

Survey area 11 - sidewalk of 144th street

APPENDIX B

SOIL BORING LOGS

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Log of Boring **PH1_SB01** Sheet 1 of 1

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 14.3 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 10/14/20 — Date Finished: 10/14/20
Drilling Equipment: Hand Auger	Completion Depth: 14 ft — Rock Depth: N/A
Size and Type of Bit: Hand Auger	Number of Samples: Disturbed 3 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 1	Water Level (ft.): First ▽ 10.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Sergio Magaua
Sampler: Hand Auger	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+14.3		0						Basement from 0-8 feet
			1						
			2						
			3						
			4						
			5						
			6						
			7						
	+6.3		8					0.2	
		R1A (0-24") Brown, fine SAND, trace coarse sand, trace fine gravel, brick, slag, coal (dry)[fill](SP)	9	R1	HA	24/24"		0.3	Sampled PH1_SB01_9-11
		R2A (0-24") Brown, fine SAND, trace coarse sand, trace fine gravel, coal, slag (wet)[fill](SP) ▽	10					7.3	
			11	R2	HA	24/24"		7.3	Groundwater observed @ 10.5 feet bgs
		R3A (0-24") Brown, fine SAND, trace fine gravel, coal (wet)[fill](SP)	12					0.1	
			13	R3	HA	24/24"		0.1	
	+0.3		14						Temporary well PH1_MW03_101620 installed to 13 feet bgs. Well removed and borehole backfilled with clean soil cuttings and #2 sand. Patched to grade with concrete cap
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **PH1_SB02** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 12.58 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 10/14/20 — Date Finished: 10/14/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 15 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Sergio Magaua
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+12.6	R1A (0-42") Brown, fine SAND, trace coarse sand, trace fine gravel, coal (dry)[fill](SP)	0	R1	MACROCORE	42/60"		0.0	Sampled PH1_SB02_0-2
			1					0.0	
								0.0	
			2					0.0	
								0.0	
			3					0.0	
								0.0	
			4						
			5	R2	MACROCORE	36/60"			
			6						
		R2A (0-6") Light tan, fine SAND, some fine gravel (dry)[fill](SP)	7					0.0	
		R2B (6-32") Brown medium SAND, trace coarse sand, coal (dry)[fill](SP)						0.0	
			8					0.0	
		R2C (32-36") Concrete						0.0	
			9					0.0	
								0.0	
			10					0.0	
			11	R3	MACROCORE	30/60"			
			12						
		R3A (0-24") Light brown, fine SAND, trace coarse sand, trace fine gravel, coal (dry)[fill](SP)						0.0	
			13					0.0	Sampled PH1_SB02_13-15
								0.0	
			14					0.0	
		R3B (24-30") Dark gray, fine GRAVEL, some fine sand (wet)[fill](GP)						0.0	
		▽	15					0.0	Groundwater observed @ 15 feet bgs
			16						
		R4A (0-12") Dark gray, fine GRAVEL, some fine SAND (wet)[fill](GP)	17	R4	MACROCORE	36/60"		0.0	
	-5.4							0.0	
		R4B (12-36") Gray, soft CLAY, organics fibers, shell fragments (moist)(OH)	18					0.0	
								0.0	
			19					0.0	
	-7.4							0.0	
			20						

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Log of Boring **PH1_SB02** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 12.58 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-7.4	R5A (0-48") Brownish gray, fine SAND (wet)(SW)	20	R5	MACROCORE	60/60"		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
	-11.4							0.0	
		R5B (48-60") Brown, firm CLAY (moist)(OH)						0.0	
	-12.4		25					0.0	Temporary well PH1_MW02_101420 installed to 20 feet bgs. Well removed and borehole backfilled with clean soil cuttings and #2 sand. Patched to grade with concrete cap
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB03** Sheet 1 of 1

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 12.66 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 10/16/20 — Date Finished: 10/16/20
Drilling Equipment: Jackhammer with Macrocore Attachment	Completion Depth: 13 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 2 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 3	Water Level (ft.): First ▽ 12 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Sergio Magaua
Sampler: 3-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+12.7		0						Basement from 0-7 feet
			1						
			2						
			3						
			4						
			5						
			6						
	+5.7		7						
		R1A (0-18") Dark brown, fine SAND, trace fine gravel, coal, brick (moist)[fill](SP)	7	R1	MACROCORE	18/60"		0.0	Sample PH1_SB03_7-9
			8					0.0	
			8					0.0	
			9					0.0	
			10						
			11	R2	MACROCORE	18/60"			Sample PH1_SB03_11-13
		R2A (0-6") Dark brown, fine SAND, trace fine gravel, coal, brick (moist)[fill](SP) ▽	12					0.0	
			12					0.0	Groundwater observed @ 12 feet bgs
			12					0.0	
	-0.3	R2b (6-18") Dark gray, fine SAND, trace fine gravel, coal (wet)[fill](SP)	13					0.0	Temporary well PH1_MW03_101620 installed to 13 feet bgs. Well removed and borehole backfilled with clean soil cuttings and #2 sand. Patched to grade with concrete cap
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **PH1_SB04** Sheet 1 of 1

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 13.27 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 10/16/20 — Date Finished: 10/16/20
Drilling Equipment: Jackhammer with Macrocore Attachment	Completion Depth: 9 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 3 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 3	Water Level (ft.): First ▽ - — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Sergio Magaua
Sampler: 3-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+13.3		0					0.0	
		R1A (0-8") Concrete						0.0	Sampled PH1_SB04_0-2
	+12.6	R1B (8-16") Light brown, fine SAND, some gravel, brick, coal (dry)[fill](SP) R1C (16-20") Asphalt R1D (20-24") Brown, fine SAND, trace gravel, brick, coal (dry)[fill](SP)	1	R1	MACROCORE	36/36"		0.0	
			2					0.0	
			3					0.0	
		R2A (0-12") Tan, fine SAND, some fine gravel, some medium sand, coal, brick, glass (dry)[fill](SP) R2B (12-24") Brown, fine SAND, trace fine gravel, slag, coal, (Dry)[fill](SP)	4	R2	MACROCORE	24/36"		0.0	
			5					0.0	
			6					0.0	
		R3A (0-24") Grayish tan, fine GRAVEL, some fine sand, trace medium sand, brick, coal (moist)[fill](GP)	7	R3	MACROCORE	24/36"		0.0	Sampled PH1_SB04_7-9
			8					0.0	
	+4.3		9					0.0	Refusal from rock @ 9' bgs Borehole backfilled with clean soil cuttings and #2 sand. Patched to grade with concrete cap
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **PH1_SB05** Sheet 1 of 1

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 15.72 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 10/15/20 — Date Finished: 10/15/20
Drilling Equipment: Jackhammer with Macrocore Attachment	Completion Depth: 20.5 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 4 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 4	Water Level (ft.): First ▽ 12.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Sergio Magaua
Sampler: 3-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+15.7		0						Basement from 0-7.5 feet
			1						
			2						
			3						
			4						
			5						
			6						
			7						Sampled PH1_SB05_7-9
	+8.2	R1A (0-24") Brown, fine SAND, trace silt, trace fine gravel, brick, glass (moist)[fill](SP)	8	R1	MACROCORE	24/36"		0.0	
			9					0.0	
			10					0.0	
								0.0	
	+5.2	R2A (0-36") Tan, fine SAND, trace fine gravel (wet)(SP)						0.0	
			11	R2	MACROCORE	36/36"		0.0	Sampled PH1_SB05_11-13
			12					0.0	
								0.0	Groundwater observed @ 12.5 feet bgs
		R3A (0-24") Brown, fine SAND (wet)(SW)	13	R3	MACROCORE	24/36"		0.0	
			14					0.0	
			15					0.0	
			16					0.0	
		R4A (0-24") Brown, fine SAND (wet)(SW)	17	R4	MACROCORE	24/36"		0.0	
			18					0.0	
			19					0.0	Borehole backfilled with clean soil cuttings and #2 sand. Patched to grade with concrete cap
	-3.8		20					0.0	

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Log of Boring **PH1_SB06** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 12.27 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/24/20 — Date Finished: 11/24/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 14 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+12.3	R1A (0-42") Brown, fine SAND, some silt, some fine gravel, brick concrete, slag (dry)[fill]	0	R1	MACROCORE	42/60"		0.0	
			1					0.0	
			2					0.0	Sampled PH1_SB06_1-3
			3					0.0	
			4					0.0	
			5					0.0	
			6					0.0	
			7					0.0	
			8					0.0	
			9	R2	MACROCORE	12/60"		0.0	
		R2A (0-12") Brown, fine SAND, some silt, trace fine gravel, coal (moist)[fill]	10					0.0	
			11					0.0	
			12					0.0	
			13					0.0	
			14 ▽	R3	MACROCORE	12/60"		0.0	
		R3A (0-12") Brown to gray, fine SAND, some silt, some fine gravel (wet)[fill]						0.0	Groundwater observed @ 14 feet bgs
	-2.7	R4A (0-12") Brown to gray, fine SAND, organics (wet)[SW]	15					0.0	
	-3.7	R4B (12-48") Gray, soft CLAY (wet)[OH]	16					0.0	
			17					0.0	
			18	R4	MACROCORE	60/60"		0.0	
	-6.7	R4C (48-60") Gray, fine GRAVEL, some fine sand (wet)[GP]	19					0.0	
	-7.7		20					0.0	

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Log of Boring **PH1_SB06** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 12.27 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-7.7	R5A (0-48") Gray to brown, fine SAND (wet)[SW]	20	R5	MACROCORE	60/60"		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	
	-12.7		26					0.0	Borehole backfilled with clean soil cuttings and #2 sand.
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB07** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 13.26 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/25/20 — Date Finished: 11/25/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5, Undisturbed N/A, Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 14.5, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Sample Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+13.3	R1A (0-43") Brown, fine SAND, some silt, trace fine gravel, coal (dry)[fill]	0					0.0	
			1					0.0	
								46.8	Chemical-like odors and elevated PID readings observed from 1 to 3.5 feet bgs
			2	R1	MACROCORE	43/60"		14.2	
								11.2	Sampled PH1_SB07_1-3
			3					7.0	
								8.2	
			4					15.9	
			5						
			6						
		R2A (0-36") Reddish brown, silty fine SAND, trace fine gravel, coal, brick (moist)[fill]	7	R2	MACROCORE	36/60"		4.0	
								4.3	
			8					2.1	
								2.1	
			9					1.9	
								1.8	
			10					1.8	
			11						
			12						
			13	R3	MACROCORE	18/60"			
		R3A (0-18") Brown to black, fine SAND, some silt, concrete, brick (wet)[fill]						0.0	
			14					0.0	
			▽					0.0	Groundwater observed @ 14.5 feet bgs
	-1.7		15					0.0	
		R4A (0-30") Gray, CLAY, some fine gravel (wet)[OH]						0.0	
			16					0.0	
								0.0	
			17	R4	MACROCORE	60/60"		0.0	
	-4.2							0.0	
		R4B (30-60") Gray to brown, fine SAND (wet)[SW]	18					0.0	
								0.0	
			19					0.0	
								0.0	
			20						

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Log of Boring **PH1_SB07** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 13.26 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-6.7	R5A (0-30") Gray, fine SAND, trace silt, trace fine gravel (wet)[SP]	20	R5	MACROCORE	60/60"		0.0	
		R5B (30-60") Brown fine SAND (wet)[SW]	21						
			22						
			23						
			24						
	-11.7		25						Borehole backfilled with clean soil cuttings and #2 sand.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB08** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 13.24 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/25/20 — Date Finished: 11/25/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 13 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+13.2	R1A (0-40") Reddish brown, fine SAND, trace silt, trace fine gravel, brick, ceramics, slag (dry)[fill]	0	R1	MACROCORE	40/60"		0.0	Sampled PH1_SB08_1-3, PH1_SOMS01_112520, and PH1_SOMSD01_112520
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2A (0-48") Dark brown, fine SAND, trace silt, trace fine gravel, brick, coal, concrete (moist)[fill]	6	R2	MACROCORE	48/60"		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
	+0.7	R3A (0-30") Brown, fine SAND (wet)[SW] ▽	11	R3	MACROCORE	30/60"		0.0	Groundwater observed @ 13 feet bgs
			12					0.0	
			13					0.0	
			14					0.0	
			15					0.0	
	-2.8	R4A (0-36") Gray, soft CLAY (wet)[OH]	16	R4	MACROCORE	48/60"		0.0	
			17					0.0	
			18					0.0	
	-5.8	R4B (36-48") Gray, fine SAND, some clay, organics (wet)[SP-OH]	19					0.0	
			20					0.0	

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Log of Boring **PH1_SB08** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 13.24 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-6.8		20					0.0	
			21						
			22						
			23						
		R5A (0-12") Gray, fine SAND (wet)[SW]	24	R5	MACROCORE	12/60"		0.0	
	-11.8		25					0.0	Borehole backfilled with clean soil cuttings and #2 sand.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB09** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 12.92 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/25/20 — Date Finished: 11/25/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 13.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+12.9	R1A (0-30") Brown, fine SAND, some silt, trace fine gravel, slag, coal (dry)[fill]	0	R1	MACROCORE	30/60"		0.0	Sampled PH1_SB09_0-2
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2A (0-36") Brown, fine SAND, some silt, trace fine gravel (moist)[fill]	6	R2	MACROCORE	36/60"		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
	-0.6	R3A (0-18") Gray, soft CLAY, some fine gravel (wet)[OH] ▽	11	R3	MACROCORE	18/60"		0.0	Groundwater observed @ 13 feet bgs
			12					0.0	
			13					0.0	
			14					0.0	
			15					0.0	
		R4A (0-42") Gray to brown, soft CLAY (wet)[OH]	16	R4	MACROCORE	42/60"		0.0	
			17					0.0	
			18					0.0	
			19					0.0	
			20					0.0	

\\LANGAN.COM\DATA\NYC\DATA4\170635401\PROJECT DATA_DISCIPLINE\ENV\IRONMENTAL\FIELD RECORDS\PHASE II ES\BORING LOGS\ONE 45 PHASE II BORING LOGS.GPJ ... 12/22/2020 8:56:34 PM ... Report: Log - LANGAN

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Log of Boring **PH1_SB09** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 12.92 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-7.1		20	R5	MACROCORE	48/60"		0.0	
	-8.1	R5A (0-42") Gray, fine SAND (wet)[SW]	21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
	-11.6							0.0	
	-12.1	R5B (42-48") Brown, firm CLAY (wet)[OH]	25					0.0	Borehole backfilled with clean soil cuttings and #2 sand.
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB10** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 13.07 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/25/20 — Date Finished: 11/25/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 13.5 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+13.1	R1A (0-42") Brown, fine SAND, some silt, trace fine gravel, slag, coal (dry)[fill]	0	R1	MACROCORE	42/60"		0.0	
			1					0.0	
			2					0.0	Sampled PH1_SB10_1-3
			3					0.0	
			4					0.0	
			5					0.0	
			6					0.0	
			7					0.0	
		R2A (0-24") Brown, fine SAND, some silt, some fine gravel, wood (moist)[fill]	8	R2	MACROCORE	24/60"		0.0	
			9					0.0	
			10					0.0	
			11					0.0	
			12					0.0	
			13					0.0	
	-0.4	R3A (0-18") Brown to gray, silty fine SAND, some gravel (wet)[SP-SM]	14	R3	MACROCORE	18/60"		0.0	Groundwater observed @ 13.5 feet bgs
			15					0.0	
	-2.9	R4A(0-12") Gray, fine GRAVEL, some fine sand (wet)[GP]	16	R4	MACROCORE	48/60"		0.0	
	-3.9	R4B (12-36") Gray, soft CLAY (wet)[OH]	17					0.0	
			18					0.0	
	-5.9	R4C (36-48") Brown, fine SAND, organics (wet)[SW]	19					0.0	
			20					0.0	

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Log of Boring **PH1_SB10** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 13.07 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-6.9	R5A (0-60") Brown, fine SAND (wet)[SW]	20	R5	MACROCORE	60/60"		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	
	-11.9		26					0.0	Borehole backfilled with clean soil cuttings and #2 sand.
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

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Log of Boring **PH1_SB11** Sheet 1 of 2

Project: One 45	Project No.: 170635401
Location: New York, NY	Elevation and Datum: Approx. 12.91 FT NAVD88
Drilling Company: AARCO Environmental Services Corp.	Date Started: 11/25/20 — Date Finished: 11/25/20
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 25 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch OD Direct Push	Number of Samples: Disturbed 5 — Undisturbed N/A — Core N/A
Casing Diameter (in): 2 inch — Casing Depth (ft): 5	Water Level (ft.): First ▽ 14 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Thomas Haret
Sampler: 5-foot Stainless Steel Macrocore Sampler	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+12.9	R1A (0-36") Brown, fine SAND, some silt, trace fine gravel, brick, slag, coal (dry)[fill]	0	R1	MACROCORE	36/60"		0.0	
			1					0.0	
			2					0.0	
			3					0.0	
			4					0.0	
			5					0.0	
			6	R2	MACROCORE	24/60"		0.0	
		R2A (0-24") Brown, fine SAND, some silt, some fine gravel, coal, glass (dry)[fill]	7					0.0	
			8					0.0	
			9					0.0	
			10					0.0	
			11	R3	MACROCORE	30/60"		0.0	Sampled PH1_SB11_12-14
		R3A (0-18") Brown, fine SAND, some silt, some fine gravel, slag (moist)[fill]	12					0.0	
	-1.1		13					0.0	
		R3B (18-30") Gray, fine GRAVEL, some fine sand (wet)[GP] ▽	14					0.0	Groundwater observed @ 14 feet bgs
			15					0.0	
			16	R4	MACROCORE	36/60"		0.0	
		R4A (0-12") Gray, fine GRAVEL, some fine sand (wet)[GP]	17					0.0	
	-5.1		18					0.0	
		R4B (12-36") Gray, soft CLAY (wet)[OH]	19					0.0	
	-7.1		20					0.0	

\\LANGAN.COM\DATA\NYC\DATA4\170635401\PROJECT DATA_DISCIPLINE\ENV\IRONMENTAL\FIELD RECORDS\PHASE II ES\BORING LOGS\ONE 45 PHASE II BORING LOGS.GPJ ... 12/22/2020 8:56:42 PM ... Report: Log - LANGAN

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Log of Boring **PH1_SB11** Sheet 2 of 2

Project	Project No.
One 45	170635401
Location	**Elevation and Datum**
New York, NY	Approx. 12.91 FT NAVD88

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-7.1	R5A (0-60") Gray to brown, fine SAND (wet)[SW]	20	R5	MACROCORE	60/60"		0.0	
			21					0.0	
			22					0.0	
			23					0.0	
			24					0.0	
			25					0.0	
	-12.1		26					0.0	Borehole backfilled with clean soil cuttings and #2 sand.
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

APPENDIX C

MONITORING WELL CONSTRUCTION AND GROUNDWATER SAMPLING LOGS

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45	**Well No:**	PH1_MW02	**Water Quality Device Model:**	Horiba	**Weather:**	Clear, 55-71°	**Sample(s):**	PH1_MW02_1014
Project Number:	170635401	**Well Depth:**	20	**Pine Number:**	21275	**Background PID (ppm):**	0.0		
Site Location:	New York, NY	**Well Diameter:**	1 inch	**Pump Make and Model:**	Peri Pump	**PID Beneath Inner Cap (ppm):**	0		
Sampling	Andrew Nesci	**Well Screen**	10	**Pine Number:**	2305	**Pump Intake Depth:**	18.00	**Sample Date:**	10/14/2020
Personnel:		**Interval:**	20	**Tubing Diameter:**	3/16	**Depth to Water Before Purge:**	11.58	**Sample Time:**	14:40

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:30	20.86	6.84	-2	1.560	736.0	0.00	11.58				**N/A**
13:35	20.94	6.82	-1	1.560	554.0	0.00	-	0.05	0.25		**N/A**
13:40	20.35	6.92	-26	1.550	494.0	0.00	-	0.05	0.5		**N**
13:45	20.27	6.77	-27	1.550	384.0	0.00	-	0.05	0.75		**N**
13:50	20.31	6.79	-23	1.550	305.0	0.00	-	0.05	1		**N**
13:55	20.29	6.80	-27	1.560	237.0	0.00	-	0.05	1.25		**N**
14:00	20.30	6.80	-27	1.570	199.0	0.00	-	0.05	1.5		**N**
14:05	20.30	6.81	-26	1.580	152.0	0.00	-	0.05	1.75		**N**
14:10	20.22	6.82	-25	1.580	129.0	0.00	-	0.05	2		**N**
14:15	20.26	6.82	-25	1.590	114.0	0.00	-	0.05	2.25		**N**
14:20	20.24	6.84	-22	1.580	120.0	0.00	-	0.05	2.5		**N**
14:25	20.20	6.86	-23	1.590	107.0	0.00	-	0.05	2.75		**N**
14:30	20.16	6.87	-24	1.590	108.0	0.00	-	0.05	3		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45	**Well No:**	PH1_MW03	**Water Quality Device Model:**	Horiba	**Weather:**	Rain, 53-63°	**Sample(s):**	PH1_MW03_1016
Project Number:	170635401	**Well Depth:**	14	**Pine Number:**	21275	**Background PID (ppm):**	0.0		
Site Location:	New York, NY	**Well Diameter:**	1 inch	**Pump Make and Model:**	Peri Pump	**PID Beneath Inner Cap (ppm):**	0		
Sampling Personnel:	Andrew Nesci	**Well Screen Interval:**	7 14	**Pine Number:**	2305	**Pump Intake Depth:**	13.00	**Sample Date:**	10/16/2020
				Tubing Diameter:	3/16	**Depth to Water Before Purge:**	10.35	**Sample Time:**	14:05

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:00	19.47	6.01	254	1.100	711.0	0.00	10.35				**N/A**
13:05	20.17	6.60	117	1.080	680.0	0.00	-	0.05	0.25		**N/A**
13:10	20.40	6.68	87	1.070	563.0	0.00	-	0.05	0.5		**N**
13:15	20.48	6.71	79	1.070	372.0	0.00	-	0.05	0.75		**N**
13:20	20.51	6.73	75	1.060	392.0	0.00	-	0.05	1		**N**
13:25	20.66	6.74	75	1.060	269.0	0.00	-	0.05	1.25		**N**
13:30	20.56	6.74	75	1.050	235.0	0.00	-	0.05	1.5		**N**
13:35	20.58	6.74	74	1.050	206.0	0.00	-	0.05	1.75		**N**
13:40	20.61	6.74	79	1.040	155.0	0.00	-	0.05	2		**N**
13:45	20.61	6.72	84	1.030	137.0	0.00	-	0.05	2.25		**N**
13:50	20.62	6.74	87	1.030	117.0	0.00	-	0.05	2.5		**N**
13:55	20.62	6.74	93	1.020	99.7	0.00	-	0.05	2.75		**N**
14:00	20.62	6.74	94	1.020	101.0	0.00	-	0.05	3		**N**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	One45	**Well No:**	PH1_MW05	**Water Quality Device Model:**	Horiba	**Weather:**	Clear, 62-76°		PH1_MW05_1015
Project Number:	170635401	**Well Depth:**	17.5	**Pine Number:**	21275	**Background PID (ppm):**	0.0	**Sample(s):**	
Site Location:	New York, NY	**Well Diameter:**	1 inch	**Pump Make and Model:**	Peri Pump	**PID Beneath Inner Cap (ppm):**	0		
Sampling	Andrew Nesci	**Well Screen**	7.5	**Pine Number:**	2305	**Pump Intake Depth:**	15.00	**Sample Date:**	10/15/2020
Personnel:		**Interval:**	17.5	**Tubing Diameter:**	3/16	**Depth to Water Before Purge:**	13.31	**Sample Time:**	17:00

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
15:55	22.53	7.05	-457	0.831	1000.0	0.00	13.31				**N/A**
16:00	22.46	7.06	-164	0.853	1000.0	0.00	-	0.05	0.25		**N/A**
16:05	22.39	7.09	-178	0.873	1000.0	0.00	-	0.05	0.5		**N**
16:10	22.40	7.12	-184	0.878	1000.0	0.00	-	0.05	0.75		**N**
16:15	22.46	7.13	-190	0.878	1000.0	0.00	-	0.05	1		**N**
16:20	22.47	7.14	-190	0.877	1000.0	0.00	-	0.05	1.25		**Y**
16:25											
16:30											
16:35											
16:40											
16:45											
16:50											
16:55											

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

APPENDIX D

SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SVO2_101320

PROJECT: One 45	**PROJECT NO.:** 170635401	
LOCATION: New York, NY	**SURFACE ELEVATION AND DATUM:** 12.58 NAVD88	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 9/14/2020	**DATE FINISHED:** 9/14/2020
INSTALLATION FOREMAN: Sergio Magaua	**SAMPLE DATE STARTED:** 9/14/2020	**DATE FINISHED:** 9/14/2020
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Andrew Nesci	**SAMPLER:** 2-inch Polyethylene Probe	
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 55-70; Wind: NW @ 3-14; Precipitation: NA; Pressure: 30	

METHOD OF INSTALLATION AND PURGING:
Advance Geoprobe 7822 DT to 11 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 1 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	2L
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.6
HELIUM TESTS	Pre-sampling
HELIUM TEST IN BUCKET(%):	15.5%
HELIUM TEST IN TUBE (PPM):	0.0ppm
SAMPLE START TIME:	10:26
SAMPLE STOP TIME:	12:26
TOTAL SAMPLE TIME (MIN):	120
REGULATOR FLOW RATE (L/MIN):	17.2
VOLUME OF SAMPLE (LITERS):	2.7 L
PID AFTER SAMPLE (PPM):	0
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	113
REGULATOR SERIAL NUMBER:	1090
CAN START VACUUM PRESS. (" HG):	-30.11
CAN STOP VACUUM PRESS. (" HG):	-7.52

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	11.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: PH1_SVO4_101820

PROJECT: One 45	**PROJECT NO.:** 170635401	
LOCATION: New York, NY	**SURFACE ELEVATION AND DATUM:** 13.27 NAVD88	
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 9/18/2020	**DATE FINISHED:** 9/18/2020
INSTALLATION FOREMAN: Nick Turro	**SAMPLE DATE STARTED:** 9/18/2020	**DATE FINISHED:** 9/18/2020
INSTALLATION EQUIPMENT: Jackhammer with Macrocore Attachment	**TYPE OF SAMPLING DEVICE:** 2.7-Liter Summa Canister	
INSPECTOR: Andrew Nesci	**SAMPLER:** 2-inch Polyethylene Probe	
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Temp: 50-64 Wind: NE @ 0-15 Precipitation: NA Pressure: 30.47	

METHOD OF INSTALLATION AND PURGING:
Advance Geoprobe 7822 DT to 9 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 1 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):** No. 2 Sand

PURGE VOLUME (L):	2L
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	1
HELIUM TESTS	Pre-sampling
HELIUM TEST IN BUCKET(%):	19.2%
HELIUM TEST IN TUBE (PPM):	0.0ppm
SAMPLE START TIME:	9:47
SAMPLE STOP TIME:	11:47
TOTAL SAMPLE TIME (MIN):	120
REGULATOR FLOW RATE (L/MIN):	18
VOLUME OF SAMPLE (LITERS):	2.7 L
PID AFTER SAMPLE (PPM):	1
SAMPLE MOISTURE CONTENT:	-
CAN SERIAL NUMBER:	171
REGULATOR SERIAL NUMBER:	01935
CAN START VACUUM PRESS. (" HG):	-30.34
CAN STOP VACUUM PRESS. (" HG):	-7.29

SAMPLE LOCATION SKETCH

See Sample Location Plan

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	9.00	

NOTES

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

APPENDIX E

LABORATORY ANALYTICAL REPORTS – SOIL AND GROUNDWATER

ANALYTICAL REPORT

Lab Number:	L2044116
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE45
Project Number:	170635401
Report Date:	11/18/20

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: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2044116-01	PH2_SB05_0-2	SOIL	691 LENOX AVE, HARLEM, NY	10/14/20 07:35	10/14/20
L2044116-02	PH1_SB02_0-2	SOIL	691 LENOX AVE, HARLEM, NY	10/14/20 09:35	10/14/20
L2044116-03	PH1_SB02_13-15	SOIL	691 LENOX AVE, HARLEM, NY	10/14/20 09:45	10/14/20
L2044116-04	PH1_SB01_9-11	SOIL	691 LENOX AVE, HARLEM, NY	10/14/20 12:55	10/14/20
L2044116-05	PH1_MW02_101420	WATER	691 LENOX AVE, HARLEM, NY	10/14/20 14:40	10/14/20

Project Name:	ONE45	**Lab Number:**	L2044116
Project Number:	170635401	**Report Date:**	11/18/20

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: ONE45 **Lab Number:** L2044116
Project Number: 170635401 **Report Date:** 11/18/20

Case Narrative (continued)

Report Submission

November 18, 2020: This final report includes the results of all requested analyses.

November 06, 2020: This preliminary report includes the results of the TCLP Metals analysis performed on L2044116-02.

October 20, 2020: This is a preliminary report.

Report Submission

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

Total Metals

L2044116-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1423029-1 Method Blank, associated with L2044116-01 through -04, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

The WG1423029-3 MS recoveries for aluminum (529%), calcium (0%), iron (652%), magnesium (0%) and manganese (32%), performed on L2044116-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1423029-3 MS recovery, performed on L2044116-01, is outside the acceptance criteria for potassium (176%). A post digestion spike was performed and was within acceptance criteria.

The WG1423029-4 Laboratory Duplicate RPDs for arsenic (43%), copper (23%), lead (169%), zinc (38%), and calcium (81%), performed on L2044116-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

TCLP Metals

The WG1430779-2 LCS recovery, associated with L2044116-02, is above the acceptance criteria for mercury

Project Name: ONE45 **Lab Number:** L2044116
Project Number: 170635401 **Report Date:** 11/18/20

Case Narrative (continued)

(124%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 11/18/20

ORGANICS

VOLATILES

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01
Client ID: PH2_SB05_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 07:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/20 13:39
Analyst: MKS
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	0.11	J	ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	0.18	J	ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.82	0.44	1
Ethylbenzene	ND		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.76	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01 Date Collected: 10/14/20 07:35

Client ID: PH2_SB05_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	0.25	J	ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.82	0.24	1
Xylenes, Total	ND		ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.20	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	5.1	J	ug/kg	8.2	3.9	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
Vinyl acetate	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.82	0.14	1
sec-Butylbenzene	ND		ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.82	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.82	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.82	0.09	1
Naphthalene	ND		ug/kg	3.3	0.53	1
Acrylonitrile	ND		ug/kg	3.3	0.94	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01 Date Collected: 10/14/20 07:35

Client ID: PH2_SB05_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.82	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	66	29.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.16	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.1	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	97		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02
Client ID: PH1_SB02_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/20 14:19
Analyst: MKS
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	1.3		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	28		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	97	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45
Client ID: PH1_SB02_13-15 Date Received: 10/14/20
Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/17/20 11:12
Analyst: AD
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45

Client ID: PH1_SB02_13-15 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.2	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45

Client ID: PH1_SB02_13-15 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04
Client ID: PH1_SB01_9-11
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:55
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/16/20 15:39
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.20	J	ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	0.31	J	ug/kg	0.52	0.17	1
Toluene	20		ug/kg	1.0	0.56	1
Ethylbenzene	8.7		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04 Date Collected: 10/14/20 12:55

Client ID: PH1_SB01_9-11 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	40		ug/kg	2.1	0.58	1
o-Xylene	22		ug/kg	1.0	0.30	1
Xylenes, Total	62		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	16		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	0.99	J	ug/kg	1.0	0.17	1
sec-Butylbenzene	0.25	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	0.94	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.20	J	ug/kg	1.0	0.11	1
Naphthalene	7.2		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04 Date Collected: 10/14/20 12:55

Client ID: PH1_SB01_9-11 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	3.6		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	8.2		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	37		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	5.1		ug/kg	2.1	0.18	1
p-Ethyltoluene	21		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	3.1		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40
Client ID: PH1_MW02_101420 Date Received: 10/14/20
Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/16/20 13:38
Analyst: PD

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

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

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	3.3		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

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	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 09:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04 Batch: WG1423071-5					
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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 09:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04 Batch: WG1423071-5					
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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 09:41
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04 Batch: WG1423071-5					
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	0.41	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.30	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423093-5					
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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423093-5					
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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/16/20 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423093-5					
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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/20 09:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1423591-5					
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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/20 09:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1423591-5					
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	0.31	J	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/17/20 09:55
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1423591-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.35	J	ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	0.17	J	ug/kg	1.0	0.11
Naphthalene	0.72	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	0.59	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.45	J	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	0.29	J	ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	0.39	J	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	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423071-3 WG1423071-4								
Methylene chloride	86		84		70-130	2		30
1,1-Dichloroethane	92		89		70-130	3		30
Chloroform	92		90		70-130	2		30
Carbon tetrachloride	94		89		70-130	5		30
1,2-Dichloropropane	94		92		70-130	2		30
Dibromochloromethane	99		96		70-130	3		30
1,1,2-Trichloroethane	99		94		70-130	5		30
Tetrachloroethene	90		87		70-130	3		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	91		86		70-139	6		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	93		90		70-130	3		30
Bromodichloromethane	95		93		70-130	2		30
trans-1,3-Dichloropropene	99		96		70-130	3		30
cis-1,3-Dichloropropene	98		95		70-130	3		30
1,1-Dichloropropene	95		91		70-130	4		30
Bromoform	96		92		70-130	4		30
1,1,2,2-Tetrachloroethane	99		94		70-130	5		30
Benzene	92		89		70-130	3		30
Toluene	94		90		70-130	4		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	78		72		52-130	8		30
Bromomethane	79		77		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423071-3 WG1423071-4								
Vinyl chloride	83		76		67-130	9		30
Chloroethane	90		84		50-151	7		30
1,1-Dichloroethene	90		84		65-135	7		30
trans-1,2-Dichloroethene	91		87		70-130	4		30
Trichloroethene	94		91		70-130	3		30
1,2-Dichlorobenzene	94		92		70-130	2		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	96		93		70-130	3		30
Methyl tert butyl ether	94		91		66-130	3		30
p/m-Xylene	95		92		70-130	3		30
o-Xylene	95		92		70-130	3		30
cis-1,2-Dichloroethene	91		88		70-130	3		30
Dibromomethane	94		90		70-130	4		30
Styrene	98		95		70-130	3		30
Dichlorodifluoromethane	76		72		30-146	5		30
Acetone	115		94		54-140	20		30
Carbon disulfide	89		84		59-130	6		30
2-Butanone	101		93		70-130	8		30
Vinyl acetate	101		94		70-130	7		30
4-Methyl-2-pentanone	105		97		70-130	8		30
1,2,3-Trichloropropane	98		92		68-130	6		30
2-Hexanone	104		95		70-130	9		30
Bromochloromethane	92		92		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423071-3 WG1423071-4								
2,2-Dichloropropane	95		90		70-130	5		30
1,2-Dibromoethane	97		93		70-130	4		30
1,3-Dichloropropane	97		94		69-130	3		30
1,1,1,2-Tetrachloroethane	98		96		70-130	2		30
Bromobenzene	93		92		70-130	1		30
n-Butylbenzene	92		88		70-130	4		30
sec-Butylbenzene	96		93		70-130	3		30
tert-Butylbenzene	94		91		70-130	3		30
o-Chlorotoluene	92		89		70-130	3		30
p-Chlorotoluene	95		92		70-130	3		30
1,2-Dibromo-3-chloropropane	96		91		68-130	5		30
Hexachlorobutadiene	96		92		67-130	4		30
Isopropylbenzene	94		91		70-130	3		30
p-Isopropyltoluene	94		91		70-130	3		30
Naphthalene	103		97		70-130	6		30
Acrylonitrile	98		91		70-130	7		30
n-Propylbenzene	95		91		70-130	4		30
1,2,3-Trichlorobenzene	99		96		70-130	3		30
1,2,4-Trichlorobenzene	102		97		70-130	5		30
1,3,5-Trimethylbenzene	93		90		70-130	3		30
1,2,4-Trimethylbenzene	94		92		70-130	2		30
1,4-Dioxane	98		84		65-136	15		30
p-Diethylbenzene	94		90		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423071-3 WG1423071-4								
p-Ethyltoluene	96		93		70-130	3		30
1,2,4,5-Tetramethylbenzene	98		95		70-130	3		30
Ethyl ether	93		90		67-130	3		30
trans-1,4-Dichloro-2-butene	101		95		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423093-3 WG1423093-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	94		96		63-130	2		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	97		96		70-130	1		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	95		97		54-136	2		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	90		94		39-139	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423093-3 WG1423093-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		96		63-130	4		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	95		98		70-130	3		20
1,2,3-Trichloropropane	96		100		64-130	4		20
Acrylonitrile	95		98		70-130	3		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	90		98		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	89		94		70-130	5		20
4-Methyl-2-pentanone	87		92		59-130	6		20
2-Hexanone	81		90		57-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423093-3 WG1423093-4								
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	97		100		70-130	3		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	96		96		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	90		88		41-144	2		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	88		95		70-130	8		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	120		110		64-130	9		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	90		94		56-162	4		20
p-Diethylbenzene	120		110		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423093-3 WG1423093-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		100		70-130	10		20
Ethyl ether	98		98		59-134	0		20
trans-1,4-Dichloro-2-butene	84		90		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1423591-3 WG1423591-4								
Methylene chloride	98		95		70-130	3		30
1,1-Dichloroethane	106		101		70-130	5		30
Chloroform	95		90		70-130	5		30
Carbon tetrachloride	94		91		70-130	3		30
1,2-Dichloropropane	105		103		70-130	2		30
Dibromochloromethane	78		78		70-130	0		30
1,1,2-Trichloroethane	84		84		70-130	0		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	85		83		70-130	2		30
Trichlorofluoromethane	101		93		70-139	8		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	104		99		70-130	5		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	86		86		70-130	0		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	113		109		70-130	4		30
Bromoform	73		72		70-130	1		30
1,1,2,2-Tetrachloroethane	76		76		70-130	0		30
Benzene	99		97		70-130	2		30
Toluene	92		92		70-130	0		30
Ethylbenzene	93		91		70-130	2		30
Chloromethane	**132**	Q	122		52-130	8		30
Bromomethane	102		93		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1423591-3 WG1423591-4								
Vinyl chloride	110		101		67-130	9		30
Chloroethane	104		97		50-151	7		30
1,1-Dichloroethene	114		110		65-135	4		30
trans-1,2-Dichloroethene	105		102		70-130	3		30
Trichloroethene	100		98		70-130	2		30
1,2-Dichlorobenzene	82		83		70-130	1		30
1,3-Dichlorobenzene	84		83		70-130	1		30
1,4-Dichlorobenzene	82		81		70-130	1		30
Methyl tert butyl ether	99		96		66-130	3		30
p/m-Xylene	92		91		70-130	1		30
o-Xylene	84		85		70-130	1		30
cis-1,2-Dichloroethene	99		98		70-130	1		30
Dibromomethane	90		88		70-130	2		30
Styrene	85		86		70-130	1		30
Dichlorodifluoromethane	127		118		30-146	7		30
Acetone	93		91		54-140	2		30
Carbon disulfide	88		85		59-130	3		30
2-Butanone	96		107		70-130	11		30
Vinyl acetate	115		112		70-130	3		30
4-Methyl-2-pentanone	95		95		70-130	0		30
1,2,3-Trichloropropane	78		78		68-130	0		30
2-Hexanone	86		86		70-130	0		30
Bromochloromethane	92		89		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1423591-3 WG1423591-4								
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	84		85		70-130	1		30
1,3-Dichloropropane	87		87		69-130	0		30
1,1,1,2-Tetrachloroethane	82		82		70-130	0		30
Bromobenzene	79		78		70-130	1		30
n-Butylbenzene	87		87		70-130	0		30
sec-Butylbenzene	91		90		70-130	1		30
tert-Butylbenzene	89		88		70-130	1		30
o-Chlorotoluene	86		85		70-130	1		30
p-Chlorotoluene	84		84		70-130	0		30
1,2-Dibromo-3-chloropropane	81		82		68-130	1		30
Hexachlorobutadiene	84		86		67-130	2		30
Isopropylbenzene	90		89		70-130	1		30
p-Isopropyltoluene	90		89		70-130	1		30
Naphthalene	95		96		70-130	1		30
Acrylonitrile	112		107		70-130	5		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	84		86		70-130	2		30
1,2,4-Trichlorobenzene	87		88		70-130	1		30
1,3,5-Trimethylbenzene	88		87		70-130	1		30
1,2,4-Trimethylbenzene	86		85		70-130	1		30
1,4-Dioxane	135		126		65-136	7		30
p-Diethylbenzene	88		88		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1423591-3 WG1423591-4								
p-Ethyltoluene	89		88		70-130	1		30
1,2,4,5-Tetramethylbenzene	90		91		70-130	1		30
Ethyl ether	100		100		67-130	0		30
trans-1,4-Dichloro-2-butene	85		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	91		94		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	92		92		70-130

SEMIVOLATILES

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01
Client ID: PH2_SB05_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 07:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/20 19:01
Analyst: EK
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

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	200		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	110	J	ug/kg	170	58.	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01 Date Collected: 10/14/20 07:35

Client ID: PH2_SB05_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	110		ug/kg	100	19.	1
Benzo(a)pyrene	120	J	ug/kg	140	41.	1
Benzo(b)fluoranthene	150		ug/kg	100	28.	1
Benzo(k)fluoranthene	47	J	ug/kg	100	27.	1
Chrysene	100		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	82	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	97	J	ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	84	J	ug/kg	140	24.	1
Pyrene	180		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	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	360	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01 Date Collected: 10/14/20 07:35

Client ID: PH2_SB05_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	53		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	40		18-120

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02
Client ID: PH1_SB02_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/20 18:14
Analyst: EK
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

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	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	140		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	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	73	J	ug/kg	110	20.	1
Benzo(a)pyrene	85	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	120		ug/kg	110	30.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	28.	1
Chrysene	77	J	ug/kg	110	18.	1
Acenaphthylene	37	J	ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	80	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	55	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	77	J	ug/kg	140	25.	1
Pyrene	130		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	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	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	70		18-120

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03
Client ID: PH1_SB02_13-15
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:45
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/20 18:38
Analyst: EK
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	270		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1600		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	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	270		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	370		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45

Client ID: PH1_SB02_13-15 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	42.	1
Benzo(a)anthracene	570		ug/kg	120	22.	1
Benzo(a)pyrene	520		ug/kg	160	48.	1
Benzo(b)fluoranthene	650		ug/kg	120	33.	1
Benzo(k)fluoranthene	190		ug/kg	120	32.	1
Chrysene	500		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	490		ug/kg	120	39.	1
Benzo(ghi)perylene	300		ug/kg	160	23.	1
Fluorene	340		ug/kg	200	19.	1
Phenanthrene	1900		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	66	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	160	28.	1
Pyrene	1300		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	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	270		ug/kg	200	19.	1
2-Methylnaphthalene	140	J	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	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	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	81.	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	44.	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45

Client ID: PH1_SB02_13-15 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	240		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	66		18-120

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04
Client ID: PH1_SB01_9-11
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:55
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/16/20 22:08
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	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	2300		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	30	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04 Date Collected: 10/14/20 12:55

Client ID: PH1_SB01_9-11 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	1200		ug/kg	110	21.	1
Benzo(a)pyrene	1000		ug/kg	150	46.	1
Benzo(b)fluoranthene	1200		ug/kg	110	31.	1
Benzo(k)fluoranthene	360		ug/kg	110	30.	1
Chrysene	900		ug/kg	110	19.	1
Acenaphthylene	89	J	ug/kg	150	29.	1
Anthracene	390		ug/kg	110	36.	1
Benzo(ghi)perylene	370		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	190	18.	1
Phenanthrene	1600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	87	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	470		ug/kg	150	26.	1
Pyrene	2000		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	53	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	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	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04 Date Collected: 10/14/20 12:55

Client ID: PH1_SB01_9-11 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	52	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	42		18-120

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05
Client ID: PH1_MW02_101420
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 14:40
Date Received: 10/14/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/16/20 17:42
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

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

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	83		41-149

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05
Client ID: PH1_MW02_101420
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 14:40
Date Received: 10/14/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 14:04
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.05	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.04	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.12		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.09	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		21-120
Phenol-d6	76		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	71		41-149

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 09:57
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1422676-1					
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	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	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: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 09:57
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1422676-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 09:57
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 10/15/20 19:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1422676-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	78		18-120

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1422737-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1422737-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1422737-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	88		41-149

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 11:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1422738-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 11:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1422738-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	67		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1422676-2 WG1422676-3								
Acenaphthene	69		65		31-137	6		50
1,2,4-Trichlorobenzene	82		64		38-107	25		50
Hexachlorobenzene	75		64		40-140	16		50
Bis(2-chloroethyl)ether	73		63		40-140	15		50
2-Chloronaphthalene	74		66		40-140	11		50
1,2-Dichlorobenzene	67		59		40-140	13		50
1,3-Dichlorobenzene	67		60		40-140	11		50
1,4-Dichlorobenzene	66		60		28-104	10		50
3,3'-Dichlorobenzidine	64		52		40-140	21		50
2,4-Dinitrotoluene	78		70		40-132	11		50
2,6-Dinitrotoluene	80		71		40-140	12		50
Fluoranthene	67		64		40-140	5		50
4-Chlorophenyl phenyl ether	70		65		40-140	7		50
4-Bromophenyl phenyl ether	77		67		40-140	14		50
Bis(2-chloroisopropyl)ether	56		55		40-140	2		50
Bis(2-chloroethoxy)methane	81		65		40-117	22		50
Hexachlorobutadiene	70		66		40-140	6		50
Hexachlorocyclopentadiene	84		74		40-140	13		50
Hexachloroethane	67		61		40-140	9		50
Isophorone	68		66		40-140	3		50
Naphthalene	71		64		40-140	10		50
Nitrobenzene	73		69		40-140	6		50
NDPA/DPA	81		66		36-157	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1422676-2 WG1422676-3								
n-Nitrosodi-n-propylamine	69		64		32-121	8		50
Bis(2-ethylhexyl)phthalate	81		69		40-140	16		50
Butyl benzyl phthalate	75		66		40-140	13		50
Di-n-butylphthalate	68		65		40-140	5		50
Di-n-octylphthalate	76		65		40-140	16		50
Diethyl phthalate	71		65		40-140	9		50
Dimethyl phthalate	67		67		40-140	0		50
Benzo(a)anthracene	78		66		40-140	17		50
Benzo(a)pyrene	76		70		40-140	8		50
Benzo(b)fluoranthene	76		72		40-140	5		50
Benzo(k)fluoranthene	78		67		40-140	15		50
Chrysene	80		68		40-140	16		50
Acenaphthylene	79		71		40-140	11		50
Anthracene	75		66		40-140	13		50
Benzo(ghi)perylene	82		68		40-140	19		50
Fluorene	67		65		40-140	3		50
Phenanthrene	72		64		40-140	12		50
Dibenzo(a,h)anthracene	81		67		40-140	19		50
Indeno(1,2,3-cd)pyrene	83		69		40-140	18		50
Pyrene	67		66		35-142	2		50
Biphenyl	72		65		37-127	10		50
4-Chloroaniline	44		47		40-140	7		50
2-Nitroaniline	75		76		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1422676-2 WG1422676-3								
3-Nitroaniline	66		60		26-129	10		50
4-Nitroaniline	76		71		41-125	7		50
Dibenzofuran	68		64		40-140	6		50
2-Methylnaphthalene	66		65		40-140	2		50
1,2,4,5-Tetrachlorobenzene	74		66		40-117	11		50
Acetophenone	77		66		14-144	15		50
2,4,6-Trichlorophenol	83		71		30-130	16		50
p-Chloro-m-cresol	70		71		26-103	1		50
2-Chlorophenol	78		68		25-102	14		50
2,4-Dichlorophenol	88		69		30-130	24		50
2,4-Dimethylphenol	98		82		30-130	18		50
2-Nitrophenol	84		77		30-130	9		50
4-Nitrophenol	79		78		11-114	1		50
2,4-Dinitrophenol	103		93		4-130	10		50
4,6-Dinitro-o-cresol	102		84		10-130	19		50
Pentachlorophenol	86		76		17-109	12		50
Phenol	74		67		26-90	10		50
2-Methylphenol	73		70		30-130.	4		50
3-Methylphenol/4-Methylphenol	77		70		30-130	10		50
2,4,5-Trichlorophenol	83		74		30-130	11		50
Benzoic Acid	67		62		10-110	8		50
Benzyl Alcohol	74		72		40-140	3		50
Carbazole	68		65		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1422676-2 WG1422676-3								
1,4-Dioxane	73		60		40-140	20		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		72		25-120
Phenol-d6	81		70		10-120
Nitrobenzene-d5	82		74		23-120
2-Fluorobiphenyl	80		71		30-120
2,4,6-Tribromophenol	91		72		10-136
4-Terphenyl-d14	76		72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1422737-2 WG1422737-3								
Acenaphthene	68		68		37-111	0		30
1,2,4-Trichlorobenzene	65		67		39-98	3		30
Hexachlorobenzene	89		92		40-140	3		30
Bis(2-chloroethyl)ether	63		61		40-140	3		30
2-Chloronaphthalene	66		73		40-140	10		30
1,2-Dichlorobenzene	58		61		40-140	5		30
1,3-Dichlorobenzene	59		62		40-140	5		30
1,4-Dichlorobenzene	60		62		36-97	3		30
3,3'-Dichlorobenzidine	78		84		40-140	7		30
2,4-Dinitrotoluene	80		78		48-143	3		30
2,6-Dinitrotoluene	86		88		40-140	2		30
Fluoranthene	80		81		40-140	1		30
4-Chlorophenyl phenyl ether	78		80		40-140	3		30
4-Bromophenyl phenyl ether	88		93		40-140	6		30
Bis(2-chloroisopropyl)ether	67		64		40-140	5		30
Bis(2-chloroethoxy)methane	66		66		40-140	0		30
Hexachlorobutadiene	75		87		40-140	15		30
Hexachlorocyclopentadiene	85		95		40-140	11		30
Hexachloroethane	67		69		40-140	3		30
Isophorone	63		65		40-140	3		30
Naphthalene	64		68		40-140	6		30
Nitrobenzene	71		69		40-140	3		30
NDPA/DPA	74		74		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1422737-2 WG1422737-3								
n-Nitrosodi-n-propylamine	66		70		29-132	6		30
Bis(2-ethylhexyl)phthalate	78		77		40-140	1		30
Butyl benzyl phthalate	94		96		40-140	2		30
Di-n-butylphthalate	78		78		40-140	0		30
Di-n-octylphthalate	74		75		40-140	1		30
Diethyl phthalate	77		78		40-140	1		30
Dimethyl phthalate	70		75		40-140	7		30
Benzo(a)anthracene	80		83		40-140	4		30
Benzo(a)pyrene	88		88		40-140	0		30
Benzo(b)fluoranthene	84		84		40-140	0		30
Benzo(k)fluoranthene	84		86		40-140	2		30
Chrysene	80		80		40-140	0		30
Acenaphthylene	66		74		45-123	11		30
Anthracene	75		76		40-140	1		30
Benzo(ghi)perylene	79		83		40-140	5		30
Fluorene	70		73		40-140	4		30
Phenanthrene	72		73		40-140	1		30
Dibenzo(a,h)anthracene	76		79		40-140	4		30
Indeno(1,2,3-cd)pyrene	74		77		40-140	4		30
Pyrene	82		82		26-127	0		30
Biphenyl	65		72		40-140	10		30
4-Chloroaniline	63		60		40-140	5		30
2-Nitroaniline	87		91		52-143	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1422737-2 WG1422737-3								
3-Nitroaniline	69		74		25-145	7		30
4-Nitroaniline	71		74		51-143	4		30
Dibenzofuran	69		72		40-140	4		30
2-Methylnaphthalene	63		70		40-140	11		30
1,2,4,5-Tetrachlorobenzene	83		91		2-134	9		30
Acetophenone	63		63		39-129	0		30
2,4,6-Trichlorophenol	90		93		30-130	3		30
p-Chloro-m-cresol	76		84		23-97	10		30
2-Chlorophenol	70		69		27-123	1		30
2,4-Dichlorophenol	74		76		30-130	3		30
2,4-Dimethylphenol	74		69		30-130	7		30
2-Nitrophenol	86		85		30-130	1		30
4-Nitrophenol	78		80		10-80	3		30
2,4-Dinitrophenol	79		73		20-130	8		30
4,6-Dinitro-o-cresol	92		96		20-164	4		30
Pentachlorophenol	91		100		9-103	9		30
Phenol	52		51		12-110	2		30
2-Methylphenol	72		65		30-130	10		30
3-Methylphenol/4-Methylphenol	72		70		30-130	3		30
2,4,5-Trichlorophenol	92		98		30-130	6		30
Benzoic Acid	59		62		10-164	5		30
Benzyl Alcohol	68		68		26-116	0		30
Carbazole	77		78		55-144	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1422737-2 WG1422737-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		68		21-120
Phenol-d6	62		58		10-120
Nitrobenzene-d5	74		73		23-120
2-Fluorobiphenyl	72		80		15-120
2,4,6-Tribromophenol	**129**	Q	120		10-120
4-Terphenyl-d14	90		89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1422738-2 WG1422738-3								
Acenaphthene	81		81		40-140	0		40
2-Chloronaphthalene	65		78		40-140	18		40
Fluoranthene	78		78		40-140	0		40
Hexachlorobutadiene	57		68		40-140	18		40
Naphthalene	67		82		40-140	20		40
Benzo(a)anthracene	79		80		40-140	1		40
Benzo(a)pyrene	91		92		40-140	1		40
Benzo(b)fluoranthene	80		83		40-140	4		40
Benzo(k)fluoranthene	88		86		40-140	2		40
Chrysene	92		92		40-140	0		40
Acenaphthylene	67		92		40-140	31		40
Anthracene	87		87		40-140	0		40
Benzo(ghi)perylene	86		87		40-140	1		40
Fluorene	90		89		40-140	1		40
Phenanthrene	81		81		40-140	0		40
Dibenzo(a,h)anthracene	84		85		40-140	1		40
Indeno(1,2,3-cd)pyrene	73		75		40-140	3		40
Pyrene	79		79		40-140	0		40
2-Methylnaphthalene	63		76		40-140	19		40
Pentachlorophenol	94		102		40-140	8		40
Hexachlorobenzene	76		76		40-140	0		40
Hexachloroethane	86		87		40-140	1		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1422738-2 WG1422738-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		78		21-120
Phenol-d6	69		68		10-120
Nitrobenzene-d5	109		111		23-120
2-Fluorobiphenyl	61		74		15-120
2,4,6-Tribromophenol	70		70		10-120
4-Terphenyl-d14	66		67		41-149

PCBS

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01
Client ID: PH2_SB05_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 07:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/16/20 13:05
Analyst: CW
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	3.04	1	A
Aroclor 1221	ND		ug/kg	34.3	3.43	1	A
Aroclor 1232	ND		ug/kg	34.3	7.26	1	A
Aroclor 1242	ND		ug/kg	34.3	4.62	1	A
Aroclor 1248	ND		ug/kg	34.3	5.14	1	A
Aroclor 1254	22.8	JP	ug/kg	34.3	3.75	1	B
Aroclor 1260	10.4	J	ug/kg	34.3	6.33	1	B
Aroclor 1262	ND		ug/kg	34.3	4.35	1	A
Aroclor 1268	ND		ug/kg	34.3	3.55	1	A
PCBs, Total	33.2	J	ug/kg	34.3	3.04	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02
Client ID: PH1_SB02_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/16/20 13:12
Analyst: CW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.14	1	A
Aroclor 1221	ND		ug/kg	35.4	3.54	1	A
Aroclor 1232	ND		ug/kg	35.4	7.50	1	A
Aroclor 1242	ND		ug/kg	35.4	4.77	1	A
Aroclor 1248	ND		ug/kg	35.4	5.30	1	A
Aroclor 1254	132	P	ug/kg	35.4	3.87	1	B
Aroclor 1260	ND		ug/kg	35.4	6.54	1	A
Aroclor 1262	ND		ug/kg	35.4	4.49	1	A
Aroclor 1268	ND		ug/kg	35.4	3.66	1	A
PCBs, Total	132		ug/kg	35.4	3.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03
Client ID: PH1_SB02_13-15
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:45
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/16/20 13:19
Analyst: CW
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.50	1	A
Aroclor 1221	ND		ug/kg	39.4	3.95	1	A
Aroclor 1232	ND		ug/kg	39.4	8.36	1	A
Aroclor 1242	ND		ug/kg	39.4	5.31	1	A
Aroclor 1248	ND		ug/kg	39.4	5.91	1	A
Aroclor 1254	20.0	J	ug/kg	39.4	4.31	1	B
Aroclor 1260	ND		ug/kg	39.4	7.28	1	A
Aroclor 1262	ND		ug/kg	39.4	5.00	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	20.0	J	ug/kg	39.4	3.50	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04
Client ID: PH1_SB01_9-11
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:55
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/16/20 13:26
Analyst: CW
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/15/20 20:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.78	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.51	1	A
Aroclor 1254	ND		ug/kg	36.7	4.02	1	A
Aroclor 1260	ND		ug/kg	36.7	6.78	1	A
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	ND		ug/kg	36.7	3.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05
Client ID: PH1_MW02_101420
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 14:40
Date Received: 10/14/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/16/20 17:25
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 00:23
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/16/20 10:43
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/15/20 20:39
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1422695-1						
Aroclor 1016	ND		ug/kg	31.9	2.84	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.77	A
Aroclor 1242	ND		ug/kg	31.9	4.30	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.49	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.05	A
Aroclor 1268	ND		ug/kg	31.9	3.31	A
PCBs, Total	ND		ug/kg	31.9	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/16/20 17:01
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 00:23
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1422727-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1422695-2 WG1422695-3									
Aroclor 1016	68		65		40-140	5		50	A
Aroclor 1260	59		55		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	A
Decachlorobiphenyl	58		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		78		30-150	B
Decachlorobiphenyl	71		66		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1422727-2 WG1422727-3									
Aroclor 1016	92		92		40-140	1		50	A
Aroclor 1260	71		72		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	A
Decachlorobiphenyl	54		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	67		55		30-150	B

METALS

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01 Date Collected: 10/14/20 07:35

Client ID: PH2_SB05_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	4590		mg/kg	7.89	2.13	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	3.94	0.300	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Arsenic, Total	3.13		mg/kg	0.789	0.164	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Barium, Total	36.0		mg/kg	0.789	0.137	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Beryllium, Total	0.118	J	mg/kg	0.394	0.026	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.789	0.077	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Calcium, Total	123000		mg/kg	78.9	27.6	20	10/20/20 07:40	10/20/20 14:51	EPA 3050B	1,6010D	PS
Chromium, Total	11.6		mg/kg	0.789	0.076	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Cobalt, Total	4.80		mg/kg	1.58	0.131	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Copper, Total	19.1		mg/kg	0.789	0.204	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Iron, Total	9570		mg/kg	3.94	0.712	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Lead, Total	28.2		mg/kg	3.94	0.211	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Magnesium, Total	9020		mg/kg	7.89	1.21	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Manganese, Total	164		mg/kg	0.789	0.125	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Mercury, Total	0.086		mg/kg	0.067	0.044	1	10/20/20 08:40	10/20/20 11:35	EPA 7471B	1,7471B	EW
Nickel, Total	9.87		mg/kg	1.97	0.191	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Potassium, Total	1310		mg/kg	197	11.4	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Selenium, Total	0.363	J	mg/kg	1.58	0.204	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.789	0.223	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Sodium, Total	225		mg/kg	158	2.48	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.58	0.248	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Vanadium, Total	19.0		mg/kg	0.789	0.160	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
Zinc, Total	65.8		mg/kg	3.94	0.231	2	10/20/20 07:40	10/20/20 14:07	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	11	J	mg/kg	0.84	0.84	1		10/20/20 14:07	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.022	J	mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Barium, TCLP	0.514		mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Lead, TCLP	0.154	J	mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 16:59	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 15:47	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02 Date Collected: 10/14/20 09:35

Client ID: PH1_SB02_0-2 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	12700		mg/kg	8.31	2.24	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Antimony, Total	6.77		mg/kg	4.15	0.316	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Arsenic, Total	12.2		mg/kg	0.831	0.173	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Barium, Total	152		mg/kg	0.831	0.144	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Beryllium, Total	0.457		mg/kg	0.415	0.027	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.831	0.081	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Calcium, Total	5610		mg/kg	8.31	2.91	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Chromium, Total	44.3		mg/kg	0.831	0.080	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Cobalt, Total	29.2		mg/kg	1.66	0.138	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Copper, Total	465		mg/kg	0.831	0.214	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Iron, Total	146000		mg/kg	41.5	7.50	20	10/20/20 07:40	10/20/20 15:08	EPA 3050B	1,6010D	PS
Lead, Total	316		mg/kg	4.15	0.223	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Magnesium, Total	6660		mg/kg	8.31	1.28	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Manganese, Total	891		mg/kg	0.831	0.132	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Mercury, Total	0.118		mg/kg	0.067	0.044	1	10/20/20 08:40	10/20/20 11:38	EPA 7471B	1,7471B	EW
Nickel, Total	48.9		mg/kg	2.08	0.201	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Potassium, Total	4740		mg/kg	208	12.0	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Selenium, Total	1.15	J	mg/kg	1.66	0.214	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.831	0.235	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Sodium, Total	154	J	mg/kg	166	2.62	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.66	0.262	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Vanadium, Total	78.5		mg/kg	0.831	0.169	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
Zinc, Total	168		mg/kg	4.15	0.243	2	10/20/20 07:40	10/20/20 14:24	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	44	J	mg/kg	0.86	0.86	1		10/20/20 14:24	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03 Date Collected: 10/14/20 09:45

Client ID: PH1_SB02_13-15 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11900		mg/kg	9.52	2.57	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	4.76	0.362	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Arsenic, Total	0.933	J	mg/kg	0.952	0.198	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Barium, Total	193		mg/kg	0.952	0.166	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Beryllium, Total	0.257	J	mg/kg	0.476	0.031	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.952	0.093	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Calcium, Total	35200		mg/kg	9.52	3.33	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Chromium, Total	32.4		mg/kg	0.952	0.091	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Cobalt, Total	12.8		mg/kg	1.90	0.158	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Copper, Total	32.4		mg/kg	0.952	0.246	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Iron, Total	23900		mg/kg	4.76	0.860	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Lead, Total	38.4		mg/kg	4.76	0.255	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Magnesium, Total	16200		mg/kg	9.52	1.47	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Manganese, Total	267		mg/kg	0.952	0.151	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Mercury, Total	ND		mg/kg	0.078	0.051	1	10/20/20 08:40	10/20/20 11:42	EPA 7471B	1,7471B	EW
Nickel, Total	24.8		mg/kg	2.38	0.230	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Potassium, Total	6480		mg/kg	238	13.7	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Selenium, Total	0.809	J	mg/kg	1.90	0.246	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.952	0.269	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Sodium, Total	241		mg/kg	190	3.00	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.90	0.300	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Vanadium, Total	45.8		mg/kg	0.952	0.193	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
Zinc, Total	74.4		mg/kg	4.76	0.279	2	10/20/20 07:40	10/20/20 14:29	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	32		mg/kg	0.98	0.98	1		10/20/20 14:29	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04 Date Collected: 10/14/20 12:55

Client ID: PH1_SB01_9-11 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, 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	11300		mg/kg	9.02	2.44	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Antimony, Total	ND		mg/kg	4.51	0.343	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Arsenic, Total	2.76		mg/kg	0.902	0.188	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Barium, Total	224		mg/kg	0.902	0.157	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Beryllium, Total	0.252	J	mg/kg	0.451	0.030	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.902	0.088	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Calcium, Total	24600		mg/kg	9.02	3.16	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Chromium, Total	24.6		mg/kg	0.902	0.087	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Cobalt, Total	11.7		mg/kg	1.80	0.150	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Copper, Total	46.3		mg/kg	0.902	0.233	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Iron, Total	23500		mg/kg	4.51	0.814	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Lead, Total	46.7		mg/kg	4.51	0.242	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Magnesium, Total	5600		mg/kg	9.02	1.39	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Manganese, Total	278		mg/kg	0.902	0.143	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Mercury, Total	0.155		mg/kg	0.072	0.047	1	10/20/20 08:40	10/20/20 11:45	EPA 7471B	1,7471B	EW
Nickel, Total	20.6		mg/kg	2.25	0.218	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Potassium, Total	5330		mg/kg	225	13.0	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Selenium, Total	ND		mg/kg	1.80	0.233	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Silver, Total	ND		mg/kg	0.902	0.255	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Sodium, Total	400		mg/kg	180	2.84	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Thallium, Total	ND		mg/kg	1.80	0.284	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Vanadium, Total	44.4		mg/kg	0.902	0.183	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
Zinc, Total	127		mg/kg	4.51	0.264	2	10/20/20 07:40	10/20/20 14:33	EPA 3050B	1,6010D	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	25		mg/kg	0.92	0.92	1		10/20/20 14:33	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.646		mg/l	0.0100	0.00327	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Antimony, Total	0.00124	J	mg/l	0.00400	0.00042	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00315		mg/l	0.00050	0.00016	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Barium, Total	0.2398		mg/l	0.00050	0.00017	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00011	J	mg/l	0.00020	0.00005	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Calcium, Total	194.		mg/l	0.100	0.0394	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Chromium, Total	0.00208		mg/l	0.00100	0.00017	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00337		mg/l	0.00050	0.00016	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Copper, Total	0.00417		mg/l	0.00100	0.00038	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Iron, Total	1.83		mg/l	0.0500	0.0191	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Lead, Total	0.00702		mg/l	0.00100	0.00034	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Magnesium, Total	48.6		mg/l	0.0700	0.0242	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Manganese, Total	1.232		mg/l	0.00100	0.00044	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/16/20 10:30	10/16/20 16:36	EPA 7470A	1,7470A	EW
Nickel, Total	0.00484		mg/l	0.00200	0.00055	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Potassium, Total	26.2		mg/l	0.100	0.0309	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Sodium, Total	142.		mg/l	0.100	0.0293	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00452	J	mg/l	0.00500	0.00157	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
Zinc, Total	0.01452		mg/l	0.01000	0.00341	1	10/16/20 07:15	10/16/20 14:41	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		10/16/20 14:41	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05 Date Collected: 10/14/20 14:40

Client ID: PH1_MW02_101420 Date Received: 10/14/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00790	J	mg/l	0.0100	0.00327	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00129	J	mg/l	0.00400	0.00042	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00237		mg/l	0.00050	0.00016	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2195		mg/l	0.00050	0.00017	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	0.00013	J	mg/l	0.00020	0.00005	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Calcium, Dissolved	195.		mg/l	0.100	0.0394	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00079	J	mg/l	0.00100	0.00017	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00283		mg/l	0.00050	0.00016	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00345		mg/l	0.00100	0.00038	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.595		mg/l	0.0500	0.0191	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00040	J	mg/l	0.00100	0.00034	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	47.4		mg/l	0.0700	0.0242	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.135		mg/l	0.00100	0.00044	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/16/20 13:40	10/16/20 17:38	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00379		mg/l	0.00200	0.00055	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Potassium, Dissolved	26.3		mg/l	0.100	0.0309	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Sodium, Dissolved	140.		mg/l	0.100	0.0293	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00256	J	mg/l	0.00500	0.00157	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01099		mg/l	0.01000	0.00341	1	10/16/20 13:23	10/16/20 17:53	EPA 3005A	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

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): 05 Batch: WG1422487-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/16/20 10:30	10/16/20 16:02	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05 Batch: WG1422640-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Chromium, Dissolved	0.00065	J	mg/l	0.00100	0.00017	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Thallium, Dissolved	0.00016	J	mg/l	0.00050	0.00014	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/16/20 12:46	10/16/20 16:28	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05 Batch: WG1422642-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/16/20 13:40	10/16/20 17:22	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1422790-1										
Aluminum, Total	0.00497	J	mg/l	0.0100	0.00327	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Chromium, Total	0.00061	J	mg/l	0.00100	0.00017	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Manganese, Total	0.00086	J	mg/l	0.00100	0.00044	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Vanadium, Total	ND	mg/l	0.00500	0.00157	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	10/16/20 07:15	10/16/20 13:24	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1423029-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Chromium, Total	0.040	J	mg/kg	0.400	0.038	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Iron, Total	4.55		mg/kg	2.00	0.361	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Manganese, Total	0.104	J	mg/kg	0.400	0.064	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Potassium, Total	ND		mg/kg	100	5.76	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/20/20 07:40	10/20/20 13:58	1,6010D	PS

Prep Information

Digestion Method: EPA 3050B

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

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): 01-04 Batch: WG1423033-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/20/20 08:40	10/20/20 11:04	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02 Batch: WG1430486-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/20 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02 Batch: WG1430779-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 16:48	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/02/20 05:06

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422487-2								
Mercury, Total	104		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422640-2					
Aluminum, Dissolved	106	-	80-120	-	
Antimony, Dissolved	95	-	80-120	-	
Arsenic, Dissolved	107	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Beryllium, Dissolved	107	-	80-120	-	
Cadmium, Dissolved	109	-	80-120	-	
Calcium, Dissolved	96	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	98	-	80-120	-	
Copper, Dissolved	99	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	109	-	80-120	-	
Magnesium, Dissolved	103	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	96	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	104	-	80-120	-	
Silver, Dissolved	104	-	80-120	-	
Sodium, Dissolved	103	-	80-120	-	
Thallium, Dissolved	105	-	80-120	-	
Vanadium, Dissolved	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422640-2					
Zinc, Dissolved	107	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422642-2					
Mercury, Dissolved	114	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422790-2					
Aluminum, Total	108	-	80-120	-	
Antimony, Total	100	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	109	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	101	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	108	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	101	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1422790-2					
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1423029-2 SRM Lot Number: D109-540					
Aluminum, Total	62	-	50-150	-	
Antimony, Total	133	-	19-250	-	
Arsenic, Total	91	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	92	-	75-125	-	
Cadmium, Total	86	-	75-125	-	
Calcium, Total	86	-	73-128	-	
Chromium, Total	88	-	70-130	-	
Cobalt, Total	89	-	75-125	-	
Copper, Total	89	-	75-125	-	
Iron, Total	85	-	35-165	-	
Lead, Total	88	-	72-128	-	
Magnesium, Total	81	-	62-138	-	
Manganese, Total	85	-	74-126	-	
Nickel, Total	89	-	70-130	-	
Potassium, Total	78	-	59-141	-	
Selenium, Total	92	-	68-132	-	
Silver, Total	88	-	68-131	-	
Sodium, Total	100	-	35-165	-	
Thallium, Total	87	-	68-131	-	
Vanadium, Total	87	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1423029-2 SRM Lot Number: D109-540						
Zinc, Total	89		-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1423033-2 SRM Lot Number: D109-540						
Mercury, Total	96		-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1430486-2						
Arsenic, TCLP	108		-	75-125	-	20
Barium, TCLP	102		-	75-125	-	20
Cadmium, TCLP	104		-	75-125	-	20
Chromium, TCLP	100		-	75-125	-	20
Lead, TCLP	102		-	75-125	-	20
Selenium, TCLP	99		-	75-125	-	20
Silver, TCLP	98		-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1430779-2						
Mercury, TCLP	**124**	Q	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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): 05 QC Batch ID: WG1422487-3 QC Sample: L2044112-09 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00501	100		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422640-3 QC Sample: L2044175-01 Client ID: MS Sample									
Aluminum, Dissolved	0.004J	2	2.11	106	-	-	75-125	-	20
Antimony, Dissolved	ND	0.5	0.5432	109	-	-	75-125	-	20
Arsenic, Dissolved	0.00041J	0.12	0.1288	107	-	-	75-125	-	20
Barium, Dissolved	0.0406	2	2.150	105	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05318	106	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05778	113	-	-	75-125	-	20
Calcium, Dissolved	39.6	10	48.6	90	-	-	75-125	-	20
Chromium, Dissolved	0.0010J	0.2	0.1994	100	-	-	75-125	-	20
Cobalt, Dissolved	ND	0.5	0.5040	101	-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2527	101	-	-	75-125	-	20
Iron, Dissolved	ND	1	1.04	104	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5612	110	-	-	75-125	-	20
Magnesium, Dissolved	9.18	10	19.2	100	-	-	75-125	-	20
Manganese, Dissolved	0.0129	0.5	0.5174	101	-	-	75-125	-	20
Nickel, Dissolved	0.0016J	0.5	0.4861	97	-	-	75-125	-	20
Potassium, Dissolved	2.52	10	12.8	103	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.130	108	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05257	105	-	-	75-125	-	20
Sodium, Dissolved	18.2	10	27.8	96	-	-	75-125	-	20
Thallium, Dissolved	0.0002J	0.12	0.1272	106	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4995	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422640-3 QC Sample: L2044175-01 Client ID: MS Sample									
Zinc, Dissolved	0.0088J	0.5	0.5600	112	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422642-3 QC Sample: L2043841-05 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00550	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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): 05 QC Batch ID: WG1422790-3 QC Sample: L2044030-02 Client ID: MS Sample										
Aluminum, Total	0.011	2	2.32	115		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.5516	110		-	-	75-125	-	20
Arsenic, Total	0.02135	0.12	0.1626	118		-	-	75-125	-	20
Barium, Total	0.01816	2	2.245	111		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05313	106		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05921	116		-	-	75-125	-	20
Calcium, Total	15.5	10	27.6	121		-	-	75-125	-	20
Chromium, Total	0.00095J	0.2	0.2152	108		-	-	75-125	-	20
Cobalt, Total	0.00327	0.5	0.5295	105		-	-	75-125	-	20
Copper, Total	0.00042J	0.25	0.2667	107		-	-	75-125	-	20
Iron, Total	4.84	1	6.24	**140**	Q	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5804	114		-	-	75-125	-	20
Magnesium, Total	4.20	10	15.9	117		-	-	75-125	-	20
Manganese, Total	0.8709	0.5	1.463	118		-	-	75-125	-	20
Nickel, Total	0.00101J	0.5	0.5087	102		-	-	75-125	-	20
Potassium, Total	4.51	10	16.2	117		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.145	121		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05427	108		-	-	75-125	-	20
Sodium, Total	7.93	10	19.9	120		-	-	75-125	-	20
Thallium, Total	0.00020J	0.12	0.1280	107		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5249	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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): 05 QC Batch ID: WG1422790-3 QC Sample: L2044030-02 Client ID: MS Sample									
Zinc, Total	0.00893J	0.5	0.6158	123	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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): 01-04 QC Batch ID: WG1423029-3 QC Sample: L2044116-01 Client ID: PH2_SB05_0-2										
Aluminum, Total	4590	162	5450	**529**	Q	-	-	75-125	-	20
Antimony, Total	ND	40.6	38.1	94		-	-	75-125	-	20
Arsenic, Total	3.13	9.75	11.8	89		-	-	75-125	-	20
Barium, Total	36.0	162	206	104		-	-	75-125	-	20
Beryllium, Total	0.118J	4.06	4.30	106		-	-	75-125	-	20
Cadmium, Total	ND	4.14	4.05	98		-	-	75-125	-	20
Calcium, Total	123000	813	59800	**0**	Q	-	-	75-125	-	20
Chromium, Total	11.6	16.2	27.8	100		-	-	75-125	-	20
Cobalt, Total	4.80	40.6	42.8	94		-	-	75-125	-	20
Copper, Total	19.1	20.3	40.8	107		-	-	75-125	-	20
Iron, Total	9570	81.3	10100	**652**	Q	-	-	75-125	-	20
Lead, Total	28.2	41.4	71.6	105		-	-	75-125	-	20
Magnesium, Total	9020	813	7720	**0**	Q	-	-	75-125	-	20
Manganese, Total	164	40.6	177	**32**	Q	-	-	75-125	-	20
Nickel, Total	9.87	40.6	46.8	91		-	-	75-125	-	20
Potassium, Total	1310	813	2740	**176**	Q	-	-	75-125	-	20
Selenium, Total	0.363J	9.75	10.5	108		-	-	75-125	-	20
Silver, Total	ND	24.4	26.0	107		-	-	75-125	-	20
Sodium, Total	225	813	1140	112		-	-	75-125	-	20
Thallium, Total	ND	9.75	8.78	90		-	-	75-125	-	20
Vanadium, Total	19.0	40.6	61.8	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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): 01-04 QC Batch ID: WG1423029-3 QC Sample: L2044116-01 Client ID: PH2_SB05_0-2										
Zinc, Total	65.8	40.6	114	119		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1423033-3 QC Sample: L2044004-01 Client ID: MS Sample										
Mercury, Total	ND	0.129	0.161	**125**	Q	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430486-3 QC Sample: L2047769-02 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.26	105		-	-	75-125	-	20
Barium, TCLP	0.341J	20	21.0	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.528	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.03	102		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.24	103		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.19	99		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.494	99		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430779-3 QC Sample: L2043841-02 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0295	118		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422487-4 QC Sample: L2044112-09 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422640-4 QC Sample: L2044175-01 Client ID: DUP Sample						
Arsenic, Dissolved	0.00041J	0.00043J	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422642-4 QC Sample: L2043841-05 Client ID: DUP Sample						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422790-4 QC Sample: L2044030-02 Client ID: DUP Sample					
Antimony, Total	ND	0.00049J	mg/l	NC	20
Arsenic, Total	0.02135	0.02168	mg/l	2	20
Barium, Total	0.01816	0.01908	mg/l	5	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	15.5	16.1	mg/l	4	20
Chromium, Total	0.00095J	0.00092J	mg/l	NC	20
Cobalt, Total	0.00327	0.00326	mg/l	0	20
Copper, Total	0.00042J	ND	mg/l	NC	20
Iron, Total	4.84	5.00	mg/l	3	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	4.20	4.33	mg/l	3	20
Manganese, Total	0.8709	0.8994	mg/l	3	20
Nickel, Total	0.00101J	0.00099J	mg/l	NC	20
Potassium, Total	4.51	4.71	mg/l	4	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	7.93	8.26	mg/l	4	20
Thallium, Total	0.00020J	0.00058J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1422790-4 QC Sample: L2044030-02 Client ID: DUP Sample					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00893J	0.00836J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1423029-4 QC Sample: L2044116-01 Client ID: PH2_SB05_0-2						
Aluminum, Total	4590	4410	mg/kg	4		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.13	2.02	mg/kg	**43**	Q	20
Barium, Total	36.0	35.4	mg/kg	2		20
Beryllium, Total	0.118J	0.122J	mg/kg	NC		20
Cadmium, Total	ND	0.163J	mg/kg	NC		20
Chromium, Total	11.6	10.6	mg/kg	9		20
Cobalt, Total	4.80	5.07	mg/kg	5		20
Copper, Total	19.1	24.1	mg/kg	**23**	Q	20
Iron, Total	9570	9870	mg/kg	3		20
Lead, Total	28.2	330	mg/kg	**169**	Q	20
Magnesium, Total	9020	8740	mg/kg	3		20
Manganese, Total	164	144	mg/kg	13		20
Nickel, Total	9.87	9.95	mg/kg	1		20
Potassium, Total	1310	1300	mg/kg	1		20
Selenium, Total	0.363J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	225	219	mg/kg	3		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1423029-4 QC Sample: L2044116-01 Client ID: PH2_SB05_0-2						
Vanadium, Total	19.0	19.5	mg/kg	3		20
Zinc, Total	65.8	97.1	mg/kg	**38**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1423029-4 QC Sample: L2044116-01 Client ID: PH2_SB05_0-2						
Calcium, Total	123000	52100	mg/kg	**81**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1423033-4 QC Sample: L2044004-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430486-4 QC Sample: L2047769-02 Client ID: DUP Sample						
Arsenic, TCLP	ND	0.054J	mg/l	NC		20
Barium, TCLP	0.341J	0.351J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	0.037J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430779-4 QC Sample: L2043841-02 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-01
Client ID: PH2_SB05_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 07:35
Date Received: 10/14/20
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	95.3		%	0.100	NA	1	-	10/15/20 12:28	121,2540G	RI
Chromium, Hexavalent	0.504	J	mg/kg	0.839	0.168	1	10/17/20 11:56	10/19/20 15:12	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-02
Client ID: PH1_SB02_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:35
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	10/15/20 12:28	121,2540G	RI
Chromium, Hexavalent	0.761	J	mg/kg	0.857	0.171	1	10/17/20 11:56	10/19/20 15:12	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-03
Client ID: PH1_SB02_13-15
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 09:45
Date Received: 10/14/20
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	82.0		%	0.100	NA	1	-	10/15/20 12:28	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.976	0.195	1	10/17/20 11:56	10/19/20 15:12	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-04
Client ID: PH1_SB01_9-11
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:55
Date Received: 10/14/20
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	87.3		%	0.100	NA	1	-	10/15/20 12:28	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.916	0.183	1	10/17/20 11:56	10/19/20 15:12	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044116-05
Client ID: PH1_MW02_101420
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 14:40
Date Received: 10/14/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/15/20 10:00	10/15/20 10:47	1,7196A	KP

Project Name: ONE45 **Lab Number:** L2044116

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1422398-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/15/20 10:00	10/15/20 10:45	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1423346-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/17/20 11:56	10/19/20 15:12	1,7196A	DR

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1422398-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1423346-2								
Chromium, Hexavalent	89		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1422398-4 QC Sample: L2044116-05 Client ID: PH1_MW02_101420												
Chromium, Hexavalent	ND	0.1	0.100	100		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1423346-4 QC Sample: L2044116-02 Client ID: PH1_SB02_0-2												
Chromium, Hexavalent	0.761J	767	679	88		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044116

Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1422398-3 QC Sample: L2044116-05 Client ID: PH1_MW02_101420						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1422409-1 QC Sample: L2044032-01 Client ID: DUP Sample						
Solids, Total	76.2	76.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1423346-6 QC Sample: L2044116-02 Client ID: PH1_SB02_0-2						
Chromium, Hexavalent	0.761J	0.396J	mg/kg	NC		20

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

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(*)
L2044116-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2044116-01B	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-01C	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2044116-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2044116-01F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),TS(7),NYTCL-8082(14),HEXCR-7196(30)
L2044116-01G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),NYTCL-8082(14),HEXCR-7196(30)
L2044116-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2044116-02B	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-02C	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2044116-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	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),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2044116-02F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),TS(7),NYTCL-8082(14),HEXCR-7196(30)
L2044116-02G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044116-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044116-02X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L2044116-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2044116-03B	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-03C	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2044116-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2044116-03F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),TS(7),NYTCL-8082(14),HEXCR-7196(30)
L2044116-03G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044116-04A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW(14)
L2044116-04B	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-04C	Vial water preserved	A	NA		3.3	Y	Absent	15-OCT-20 09:30	NYTCL-8260HLW(14)
L2044116-04D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2044116-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	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),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2044116-04F	Glass 120ml/4oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),TS(7),NYTCL-8082(14),HEXCR-7196(30)
L2044116-04G	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044116-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2044116-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2044116-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260(14)
L2044116-05D	Amber 120ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044116
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044116-05E	Amber 120ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-LVI(7)
L2044116-05F	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044116-05G	Amber 250ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044116-05H	Plastic 250ml HNO3 preserved	A	<2	<2	3.3	Y	Absent		V-6020S(180),CU-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2044116-05I	Plastic 250ml HNO3 preserved	A	<2	<2	3.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2044116-05J	Plastic 500ml unpreserved	A	7	7	3.3	Y	Absent		HEXCR-7196(1)

*Values in parentheses indicate holding time in days

Project Name:	ONE45	**Lab Number:**	L2044116
Project Number:	170635401	**Report Date:**	11/18/20

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:	ONE45	**Lab Number:**	L2044116
Project Number:	170635401	**Report Date:**	11/18/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	ONE45	**Lab Number:**	L2044116
Project Number:	170635401	**Report Date:**	11/18/20

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	ONE45	**Lab Number:**	L2044116
Project Number:	170635401	**Report Date:**	11/18/20

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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: 10/14/20

ALPHA Job #: L2044116

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

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

Project Information
Project Name: One45
Project Location: 691 Lenox Ave, Harlem, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Woo Kim
ALPHAQuote #: 12332

Turn-Around Time
Standard ☑ Due Date: 10/20/20
Rush (only if pre approved) ☐ # of Days: 5

Client Information
Client: Langan
Address: 360 West 31st Street New York NY
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@Langan.com

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

Billing Information
☑ Same as Client Info
PO #

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

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

These samples have been previously analyzed by Alpha ☐
Other project specific requirements/comments:

Please specify Metals or TAL. TAL Metals

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375/TCL VOCs	Part 375/TCL SVOCs	PCBs	TAL Metals	TAL Metals (Filtered & Unfiltered)	Hex/Trichrome	Hold TCLP	Sample Specific Comments	Total Bottles
44116 -01	PH2_SB05_0-2	10/14/20	7:35	S	am	✓	✓	✓	✓		✓	✓		
-02	PH1_SB02_0-2	↓	9:35	S	am	✓	✓	✓	✓		✓	✓		
-03	PH1_SB02_13-15	↓	9:45	S	am	✓	✓	✓	✓		✓	✓		
-04	PH1-SB01-9-11	↓	12:55	S	am	✓	✓	✓	✓		✓	✓		
-05	PH1_MW02-101420	↓	14:40	W	am	✓	✓	✓		✓	✓	✓		

	VOCs	SVOCs	PCBs	TAL Metals	TAL Metals (Filt.)	Hex/Trichrome	Hold TCLP
Container Type	V	A	A	A	P	A P	A
Preservative	O B				C	6	

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Andrew Nesi / Langan	10/14/20 15:10	[signature] AAL	10/14/20 1510
[signature]	10/14/20 1818	[signature] AAL	10/14/20 2005
[signature] AAL	10/14/20 2355	[signature]	10/15/20 03:35

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

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

ANALYTICAL REPORT

Lab Number:	L2044509
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE45
Project Number:	170635401
Report Date:	11/18/20

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: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2044509-01	PH2_SB03_0-2	SOIL	691 LENOX AVE, HARLEM, NY	10/15/20 08:38	10/15/20
L2044509-02	PH2_SB03_9-11	SOIL	691 LENOX AVE, HARLEM, NY	10/15/20 09:30	10/15/20
L2044509-03	PH2_SB03_3-5	SOIL	691 LENOX AVE, HARLEM, NY	10/15/20 09:45	10/15/20
L2044509-04	PH1_SB05_7-9	SOIL	691 LENOX AVE, HARLEM, NY	10/15/20 11:35	10/15/20
L2044509-05	PH1_SB05_11-13	SOIL	691 LENOX AVE, HARLEM, NY	10/15/20 12:40	10/15/20
L2044509-06	PH2_MW03_101520	WATER	691 LENOX AVE, HARLEM, NY	10/15/20 15:20	10/15/20
L2044509-07	PH1_MW05_101520	WATER	691 LENOX AVE, HARLEM, NY	10/15/20 17:00	10/15/20

Project Name:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

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:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

Case Narrative (continued)

Report Submission

November 18, 2020: This final report includes the results of all requested analyses.

November 06, 2020: This preliminary report includes the results of the TCLP Metals analysis performed on L2044509-01,-02, -03, -04, -05 and the Total Metals, Hexavalent Chromium and Trivalent Chromium analysis performed on L2044509-02.

October 21, 2020: This is a preliminary report.

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

Semivolatile Organics

L2044509-03: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2044509-01, -02, -03, -04, and -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1423806-1 Method Blank, associated with L2044509-01, -03, -04, and -05, has a concentration above the reporting limit for iron. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

Dissolved Metals

The WG1423091-4 Laboratory Duplicate RPD for aluminum (50%), performed on L2044509-06, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

TCLP Mercury

The WG1430779-2 LCS recovery, associated with L2044509-01,-03, and -04, is above the acceptance

Project Name:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

Case Narrative (continued)

criteria for mercury (124%); however, the associated samples are non-detect to the RL for this target analyte.

The results of the original analysis are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 11/18/20

ORGANICS

VOLATILES

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/20/20 00:37

Analyst: MV

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	40		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.77	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	79		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 Date Collected: 10/15/20 09:45

Client ID: PH2_SB03_3-5 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/20/20 01:02

Analyst: MV

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.7	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	0.84	0.33	1
Chlorobenzene	ND		ug/kg	0.84	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.7	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.28	1
Bromodichloromethane	ND		ug/kg	0.84	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.84	0.27	1
Bromoform	ND		ug/kg	6.7	0.41	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.28	1
Benzene	0.36	J	ug/kg	0.84	0.28	1
Toluene	12		ug/kg	1.7	0.91	1
Ethylbenzene	4.1		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.7	1.6	1
Bromomethane	ND		ug/kg	3.4	0.97	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
Chloroethane	ND		ug/kg	3.4	0.76	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 Date Collected: 10/15/20 09:45

Client ID: PH2_SB03_3-5 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.84	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	15		ug/kg	3.4	0.94	1
o-Xylene	8.6		ug/kg	1.7	0.49	1
Xylenes, Total	24		ug/kg	1.7	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.7	0.23	1
Dibromomethane	ND		ug/kg	3.4	0.40	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.5	1
Acetone	8.1	J	ug/kg	17	8.1	1
Carbon disulfide	ND		ug/kg	17	7.6	1
2-Butanone	ND		ug/kg	17	3.7	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.21	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.24	1
tert-Butylbenzene	ND		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.32	1
p-Chlorotoluene	ND		ug/kg	3.4	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.7	0.28	1
Isopropylbenzene	0.41	J	ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	ND		ug/kg	6.7	1.1	1
Acrylonitrile	ND		ug/kg	6.7	1.9	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 Date Collected: 10/15/20 09:45

Client ID: PH2_SB03_3-5 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.81	J	ug/kg	1.7	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	2.4	J	ug/kg	3.4	0.32	1
1,2,4-Trimethylbenzene	7.0		ug/kg	3.4	0.56	1
1,4-Dioxane	ND		ug/kg	130	59.	1
p-Diethylbenzene	1.1	J	ug/kg	3.4	0.30	1
p-Ethyltoluene	5.0		ug/kg	3.4	0.64	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.32	1
Ethyl ether	ND		ug/kg	3.4	0.57	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/19/20 14:26

Analyst: KJD

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	95		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40
Client ID: PH1_SB05_11-13 Date Received: 10/15/20
Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/20 14:52
Analyst: KJD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	0.44	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	1.4		ug/kg	0.87	0.47	1
Ethylbenzene	0.20	J	ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	0.62	J	ug/kg	1.7	0.49	1
o-Xylene	0.26	J	ug/kg	0.87	0.25	1
Xylenes, Total	0.88	J	ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	ND		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	97		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 10/19/20 10:06

Analyst: PD

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

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

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	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00
Client ID: PH1_MW05_101520 Date Received: 10/15/20
Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/19/20 10:28
Analyst: PD

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

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 08:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1423703-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 08:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1423703-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 08:41
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1423703-5					
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	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 07:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1423848-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 07:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1423848-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 07:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1423848-5					
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	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	92		70-130

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 16:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1423983-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 16:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1423983-5					
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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/20 16:23
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1423983-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1423703-3 WG1423703-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	97		100		70-130	3		20
Chloroform	92		99		70-130	7		20
Carbon tetrachloride	90		97		63-132	7		20
1,2-Dichloropropane	93		100		70-130	7		20
Dibromochloromethane	87		94		63-130	8		20
1,1,2-Trichloroethane	95		97		70-130	2		20
Tetrachloroethene	95		99		70-130	4		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	89		94		70-130	5		20
1,1,1-Trichloroethane	91		98		67-130	7		20
Bromodichloromethane	89		97		67-130	9		20
trans-1,3-Dichloropropene	89		96		70-130	8		20
cis-1,3-Dichloropropene	91		95		70-130	4		20
1,1-Dichloropropene	96		99		70-130	3		20
Bromoform	83		93		54-136	11		20
1,1,2,2-Tetrachloroethane	87		98		67-130	12		20
Benzene	97		100		70-130	3		20
Toluene	97		100		70-130	3		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	89		93		39-139	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1423703-3 WG1423703-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	97		100		61-145	3		20
trans-1,2-Dichloroethene	96		100		70-130	4		20
Trichloroethene	94		99		70-130	5		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	95		100		70-130	5		20
Methyl tert butyl ether	88		93		63-130	6		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Dibromomethane	93		94		70-130	1		20
1,2,3-Trichloropropane	88		97		64-130	10		20
Acrylonitrile	87		97		70-130	11		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	91		100		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	93		100		63-138	7		20
Vinyl acetate	86		88		70-130	2		20
4-Methyl-2-pentanone	75		85		59-130	13		20
2-Hexanone	72		83		57-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1423703-3 WG1423703-4								
Bromochloromethane	95		99		70-130	4		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	91		95		70-130	4		20
1,3-Dichloropropane	93		99		70-130	6		20
1,1,1,2-Tetrachloroethane	92		98		64-130	6		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	87		94		70-130	8		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	72		88		41-144	20		20
Hexachlorobutadiene	89		97		63-130	9		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	78		88		70-130	12		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	83		92		70-130	10		20
1,2,4-Trichlorobenzene	89		96		70-130	8		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	84		86		56-162	2		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1423703-3 WG1423703-4								
p-Ethyltoluene	100		110		70-130	10		20
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		20
Ethyl ether	95		98		59-134	3		20
trans-1,4-Dichloro-2-butene	81		97		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	103		106		70-130
Dibromofluoromethane	94		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1423848-3 WG1423848-4								
Methylene chloride	85		78		70-130	9		30
1,1-Dichloroethane	89		79		70-130	12		30
Chloroform	88		81		70-130	8		30
Carbon tetrachloride	80		71		70-130	12		30
1,2-Dichloropropane	88		83		70-130	6		30
Dibromochloromethane	83		78		70-130	6		30
1,1,2-Trichloroethane	96		94		70-130	2		30
Tetrachloroethene	80		73		70-130	9		30
Chlorobenzene	83		78		70-130	6		30
Trichlorofluoromethane	71		**62**	Q	70-139	14		30
1,2-Dichloroethane	86		82		70-130	5		30
1,1,1-Trichloroethane	84		75		70-130	11		30
Bromodichloromethane	85		81		70-130	5		30
trans-1,3-Dichloropropene	94		90		70-130	4		30
cis-1,3-Dichloropropene	86		84		70-130	2		30
1,1-Dichloropropene	90		80		70-130	12		30
Bromoform	86		85		70-130	1		30
1,1,2,2-Tetrachloroethane	100		101		70-130	1		30
Benzene	86		80		70-130	7		30
Toluene	92		84		70-130	9		30
Ethylbenzene	90		84		70-130	7		30
Chloromethane	55		**45**	Q	52-130	20		30
Bromomethane	89		76		57-147	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1423848-3 WG1423848-4								
Vinyl chloride	**66**	Q	**55**	Q	67-130	18		30
Chloroethane	72		63		50-151	13		30
1,1-Dichloroethene	80		70		65-135	13		30
trans-1,2-Dichloroethene	85		76		70-130	11		30
Trichloroethene	84		78		70-130	7		30
1,2-Dichlorobenzene	86		84		70-130	2		30
1,3-Dichlorobenzene	89		86		70-130	3		30
1,4-Dichlorobenzene	88		86		70-130	2		30
Methyl tert butyl ether	92		86		66-130	7		30
p/m-Xylene	86		80		70-130	7		30
o-Xylene	85		80		70-130	6		30
cis-1,2-Dichloroethene	85		79		70-130	7		30
Dibromomethane	83		82		70-130	1		30
Styrene	86		83		70-130	4		30
Dichlorodifluoromethane	46		38		30-146	19		30
Acetone	78		72		54-140	8		30
Carbon disulfide	72		62		59-130	15		30
2-Butanone	71		72		70-130	1		30
Vinyl acetate	80		76		70-130	5		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	101		103		68-130	2		30
2-Hexanone	81		80		70-130	1		30
Bromochloromethane	79		73		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1423848-3 WG1423848-4								
2,2-Dichloropropane	91		81		70-130	12		30
1,2-Dibromoethane	89		87		70-130	2		30
1,3-Dichloropropane	95		92		69-130	3		30
1,1,1,2-Tetrachloroethane	80		76		70-130	5		30
Bromobenzene	86		83		70-130	4		30
n-Butylbenzene	102		96		70-130	6		30
sec-Butylbenzene	97		91		70-130	6		30
tert-Butylbenzene	94		88		70-130	7		30
o-Chlorotoluene	84		78		70-130	7		30
p-Chlorotoluene	100		95		70-130	5		30
1,2-Dibromo-3-chloropropane	79		80		68-130	1		30
Hexachlorobutadiene	86		82		67-130	5		30
Isopropylbenzene	98		91		70-130	7		30
p-Isopropyltoluene	94		88		70-130	7		30
Naphthalene	85		88		70-130	3		30
Acrylonitrile	78		81		70-130	4		30
n-Propylbenzene	102		95		70-130	7		30
1,2,3-Trichlorobenzene	83		83		70-130	0		30
1,2,4-Trichlorobenzene	86		86		70-130	0		30
1,3,5-Trimethylbenzene	96		90		70-130	6		30
1,2,4-Trimethylbenzene	96		91		70-130	5		30
1,4-Dioxane	100		101		65-136	1		30
p-Diethylbenzene	94		88		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1423848-3 WG1423848-4								
p-Ethyltoluene	97		91		70-130	6		30
1,2,4,5-Tetramethylbenzene	91		88		70-130	3		30
Ethyl ether	88		82		67-130	7		30
trans-1,4-Dichloro-2-butene	98		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	110		106		70-130
4-Bromofluorobenzene	120		120		70-130
Dibromofluoromethane	101		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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: WG1423983-3 WG1423983-4								
Methylene chloride	78		80		70-130	3		30
1,1-Dichloroethane	93		92		70-130	1		30
Chloroform	92		86		70-130	7		30
Carbon tetrachloride	92		93		70-130	1		30
1,2-Dichloropropane	94		95		70-130	1		30
Dibromochloromethane	98		97		70-130	1		30
1,1,2-Trichloroethane	89		88		70-130	1		30
Tetrachloroethene	91		88		70-130	3		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	72		73		70-139	1		30
1,2-Dichloroethane	94		94		70-130	0		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	87		86		70-130	1		30
trans-1,3-Dichloropropene	92		90		70-130	2		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	86		86		70-130	0		30
Bromoform	97		98		70-130	1		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	84		83		70-130	1		30
Toluene	92		89		70-130	3		30
Ethylbenzene	94		91		70-130	3		30
Chloromethane	62		61		52-130	2		30
Bromomethane	80		85		57-147	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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: WG1423983-3 WG1423983-4								
Vinyl chloride	72		72		67-130	0		30
Chloroethane	76		78		50-151	3		30
1,1-Dichloroethene	79		78		65-135	1		30
trans-1,2-Dichloroethene	86		85		70-130	1		30
Trichloroethene	85		84		70-130	1		30
1,2-Dichlorobenzene	90		91		70-130	1		30
1,3-Dichlorobenzene	93		92		70-130	1		30
1,4-Dichlorobenzene	92		91		70-130	1		30
Methyl tert butyl ether	85		86		66-130	1		30
p/m-Xylene	91		88		70-130	3		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	87		86		70-130	1		30
Dibromomethane	88		89		70-130	1		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	45		45		30-146	0		30
Acetone	95		92		54-140	3		30
Carbon disulfide	70		69		59-130	1		30
2-Butanone	91		91		70-130	0		30
Vinyl acetate	104		104		70-130	0		30
4-Methyl-2-pentanone	103		98		70-130	5		30
1,2,3-Trichloropropane	90		89		68-130	1		30
2-Hexanone	92		90		70-130	2		30
Bromochloromethane	90		90		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

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: WG1423983-3 WG1423983-4								
2,2-Dichloropropane	88		86		70-130	2		30
1,2-Dibromoethane	89		88		70-130	1		30
1,3-Dichloropropane	90		89		69-130	1		30
1,1,1,2-Tetrachloroethane	94		93		70-130	1		30
Bromobenzene	91		90		70-130	1		30
n-Butylbenzene	93		92		70-130	1		30
sec-Butylbenzene	92		92		70-130	0		30
tert-Butylbenzene	94		94		70-130	0		30
o-Chlorotoluene	88		90		70-130	2		30
p-Chlorotoluene	90		89		70-130	1		30
1,2-Dibromo-3-chloropropane	101		99		68-130	2		30
Hexachlorobutadiene	97		97		67-130	0		30
Isopropylbenzene	92		91		70-130	1		30
p-Isopropyltoluene	96		94		70-130	2		30
Naphthalene	93		92		70-130	1		30
Acrylonitrile	99		97		70-130	2		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	91		90		70-130	1		30
1,4-Dioxane	98		95		65-136	3		30
p-Diethylbenzene	95		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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: WG1423983-3 WG1423983-4								
p-Ethyltoluene	91		90		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		91		70-130	2		30
Ethyl ether	80		80		67-130	0		30
trans-1,4-Dichloro-2-butene	98		97		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	101		103		70-130

SEMIVOLATILES

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01
Client ID: PH2_SB03_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 08:38
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/18/20 15:01
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	47	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1800		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	56	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	120	J	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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	940		ug/kg	110	20.	1
Benzo(a)pyrene	1100		ug/kg	140	44.	1
Benzo(b)fluoranthene	1300		ug/kg	110	30.	1
Benzo(k)fluoranthene	430		ug/kg	110	29.	1
Chrysene	880		ug/kg	110	18.	1
Acenaphthylene	170		ug/kg	140	28.	1
Anthracene	250		ug/kg	110	35.	1
Benzo(ghi)perylene	690		ug/kg	140	21.	1
Fluorene	49	J	ug/kg	180	17.	1
Phenanthrene	860		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	160		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	720		ug/kg	140	25.	1
Pyrene	1500		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	33	J	ug/kg	180	17.	1
2-Methylnaphthalene	28	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	140	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	43		18-120

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 D
Client ID: PH2_SB03_3-5
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:45
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/20 01:28
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	770	99.	5
1,2,4-Trichlorobenzene	ND		ug/kg	960	110	5
Hexachlorobenzene	ND		ug/kg	580	110	5
Bis(2-chloroethyl)ether	ND		ug/kg	860	130	5
2-Chloronaphthalene	ND		ug/kg	960	95.	5
1,2-Dichlorobenzene	ND		ug/kg	960	170	5
1,3-Dichlorobenzene	ND		ug/kg	960	160	5
1,4-Dichlorobenzene	ND		ug/kg	960	170	5
3,3'-Dichlorobenzidine	ND		ug/kg	960	260	5
2,4-Dinitrotoluene	ND		ug/kg	960	190	5
2,6-Dinitrotoluene	ND		ug/kg	960	160	5
Fluoranthene	14000		ug/kg	580	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	960	100	5
4-Bromophenyl phenyl ether	ND		ug/kg	960	150	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1200	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	96.	5
Hexachlorobutadiene	ND		ug/kg	960	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2700	870	5
Hexachloroethane	ND		ug/kg	770	160	5
Isophorone	ND		ug/kg	860	120	5
Naphthalene	620	J	ug/kg	960	120	5
Nitrobenzene	ND		ug/kg	860	140	5
NDPA/DPA	ND		ug/kg	770	110	5
n-Nitrosodi-n-propylamine	ND		ug/kg	960	150	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	960	330	5
Butyl benzyl phthalate	ND		ug/kg	960	240	5
Di-n-butylphthalate	ND		ug/kg	960	180	5
Di-n-octylphthalate	ND		ug/kg	960	330	5

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 D
Client ID: PH2_SB03_3-5
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:45
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	960	89.	5
Dimethyl phthalate	ND		ug/kg	960	200	5
Benzo(a)anthracene	8000		ug/kg	580	110	5
Benzo(a)pyrene	8500		ug/kg	770	230	5
Benzo(b)fluoranthene	10000		ug/kg	580	160	5
Benzo(k)fluoranthene	2800		ug/kg	580	150	5
Chrysene	6400		ug/kg	580	100	5
Acenaphthylene	1500		ug/kg	770	150	5
Anthracene	1400		ug/kg	580	190	5
Benzo(ghi)perylene	4800		ug/kg	770	110	5
Fluorene	94	J	ug/kg	960	93.	5
Phenanthrene	2100		ug/kg	580	120	5
Dibenzo(a,h)anthracene	910		ug/kg	580	110	5
Indeno(1,2,3-cd)pyrene	5300		ug/kg	770	130	5
Pyrene	14000		ug/kg	580	95.	5
Biphenyl	ND		ug/kg	2200	220	5
4-Chloroaniline	ND		ug/kg	960	170	5
2-Nitroaniline	ND		ug/kg	960	180	5
3-Nitroaniline	ND		ug/kg	960	180	5
4-Nitroaniline	ND		ug/kg	960	400	5
Dibenzofuran	91	J	ug/kg	960	91.	5
2-Methylnaphthalene	ND		ug/kg	1200	120	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	960	100	5
Acetophenone	ND		ug/kg	960	120	5
2,4,6-Trichlorophenol	ND		ug/kg	580	180	5
p-Chloro-m-cresol	ND		ug/kg	960	140	5
2-Chlorophenol	ND		ug/kg	960	110	5
2,4-Dichlorophenol	ND		ug/kg	860	150	5
2,4-Dimethylphenol	ND		ug/kg	960	320	5
2-Nitrophenol	ND		ug/kg	2100	360	5
4-Nitrophenol	ND		ug/kg	1300	390	5
2,4-Dinitrophenol	ND		ug/kg	4600	450	5
4,6-Dinitro-o-cresol	ND		ug/kg	2500	460	5
Pentachlorophenol	ND		ug/kg	770	210	5
Phenol	ND		ug/kg	960	140	5
2-Methylphenol	ND		ug/kg	960	150	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	150	5

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 D
Client ID: PH2_SB03_3-5
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:45
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	960	180	5
Benzoic Acid	ND		ug/kg	3100	970	5
Benzyl Alcohol	ND		ug/kg	960	290	5
Carbazole	140	J	ug/kg	960	93.	5
1,4-Dioxane	ND		ug/kg	140	44.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	62		18-120

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04
Client ID: PH1_SB05_7-9
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 11:35
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/19/20 01:39
Analyst: EK
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:25

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	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	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	100	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	56	J	ug/kg	120	22.	1
Benzo(a)pyrene	65	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	68	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	51	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	37	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	41	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	40	J	ug/kg	160	27.	1
Pyrene	98	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	48		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	37		18-120

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05
Client ID: PH1_SB05_11-13
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 12:40
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/21/20 00:17
Analyst: WR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	180		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	94	J	ug/kg	120	23.	1
Benzo(a)pyrene	120	J	ug/kg	160	49.	1
Benzo(b)fluoranthene	140		ug/kg	120	34.	1
Benzo(k)fluoranthene	46	J	ug/kg	120	32.	1
Chrysene	88	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	80	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	74	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	81	J	ug/kg	160	28.	1
Pyrene	180		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	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	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	56		18-120

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06
Client ID: PH2_MW03_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 15:20
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/20 04:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	1.4	J	ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	74		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06
Client ID: PH2_MW03_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 15:20
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/17/20 17:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.14		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.10	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	94		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07
Client ID: PH1_MW05_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 17:00
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/20 05:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:12

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

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	80		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07
Client ID: PH1_MW05_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 17:00
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/17/20 17:55
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:13

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

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	105		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1422737-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1422737-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/16/20 16:11
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1422737-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	88		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 11:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-07 Batch: WG1422738-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/16/20 11:23
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 02:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06-07 Batch: WG1422738-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	67		41-149

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/20 05:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG1423368-1					
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	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	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: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/20 05:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG1423368-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/20 05:22
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/17/20 21:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05 Batch: WG1423368-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	81		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1422737-2 WG1422737-3								
Acenaphthene	68		68		37-111	0		30
1,2,4-Trichlorobenzene	65		67		39-98	3		30
Hexachlorobenzene	89		92		40-140	3		30
Bis(2-chloroethyl)ether	63		61		40-140	3		30
2-Chloronaphthalene	66		73		40-140	10		30
1,2-Dichlorobenzene	58		61		40-140	5		30
1,3-Dichlorobenzene	59		62		40-140	5		30
1,4-Dichlorobenzene	60		62		36-97	3		30
3,3'-Dichlorobenzidine	78		84		40-140	7		30
2,4-Dinitrotoluene	80		78		48-143	3		30
2,6-Dinitrotoluene	86		88		40-140	2		30
Fluoranthene	80		81		40-140	1		30
4-Chlorophenyl phenyl ether	78		80		40-140	3		30
4-Bromophenyl phenyl ether	88		93		40-140	6		30
Bis(2-chloroisopropyl)ether	67		64		40-140	5		30
Bis(2-chloroethoxy)methane	66		66		40-140	0		30
Hexachlorobutadiene	75		87		40-140	15		30
Hexachlorocyclopentadiene	85		95		40-140	11		30
Hexachloroethane	67		69		40-140	3		30
Isophorone	63		65		40-140	3		30
Naphthalene	64		68		40-140	6		30
Nitrobenzene	71		69		40-140	3		30
NDPA/DPA	74		74		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1422737-2 WG1422737-3								
n-Nitrosodi-n-propylamine	66		70		29-132	6		30
Bis(2-ethylhexyl)phthalate	78		77		40-140	1		30
Butyl benzyl phthalate	94		96		40-140	2		30
Di-n-butylphthalate	78		78		40-140	0		30
Di-n-octylphthalate	74		75		40-140	1		30
Diethyl phthalate	77		78		40-140	1		30
Dimethyl phthalate	70		75		40-140	7		30
Benzo(a)anthracene	80		83		40-140	4		30
Benzo(a)pyrene	88		88		40-140	0		30
Benzo(b)fluoranthene	84		84		40-140	0		30
Benzo(k)fluoranthene	84		86		40-140	2		30
Chrysene	80		80		40-140	0		30
Acenaphthylene	66		74		45-123	11		30
Anthracene	75		76		40-140	1		30
Benzo(ghi)perylene	79		83		40-140	5		30
Fluorene	70		73		40-140	4		30
Phenanthrene	72		73		40-140	1		30
Dibenzo(a,h)anthracene	76		79		40-140	4		30
Indeno(1,2,3-cd)pyrene	74		77		40-140	4		30
Pyrene	82		82		26-127	0		30
Biphenyl	65		72		40-140	10		30
4-Chloroaniline	63		60		40-140	5		30
2-Nitroaniline	87		91		52-143	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1422737-2 WG1422737-3								
3-Nitroaniline	69		74		25-145	7		30
4-Nitroaniline	71		74		51-143	4		30
Dibenzofuran	69		72		40-140	4		30
2-Methylnaphthalene	63		70		40-140	11		30
1,2,4,5-Tetrachlorobenzene	83		91		2-134	9		30
Acetophenone	63		63		39-129	0		30
2,4,6-Trichlorophenol	90		93		30-130	3		30
p-Chloro-m-cresol	76		84		23-97	10		30
2-Chlorophenol	70		69		27-123	1		30
2,4-Dichlorophenol	74		76		30-130	3		30
2,4-Dimethylphenol	74		69		30-130	7		30
2-Nitrophenol	86		85		30-130	1		30
4-Nitrophenol	78		80		10-80	3		30
2,4-Dinitrophenol	79		73		20-130	8		30
4,6-Dinitro-o-cresol	92		96		20-164	4		30
Pentachlorophenol	91		100		9-103	9		30
Phenol	52		51		12-110	2		30
2-Methylphenol	72		65		30-130	10		30
3-Methylphenol/4-Methylphenol	72		70		30-130	3		30
2,4,5-Trichlorophenol	92		98		30-130	6		30
Benzoic Acid	59		62		10-164	5		30
Benzyl Alcohol	68		68		26-116	0		30
Carbazole	77		78		55-144	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1422737-2 WG1422737-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		68		21-120
Phenol-d6	62		58		10-120
Nitrobenzene-d5	74		73		23-120
2-Fluorobiphenyl	72		80		15-120
2,4,6-Tribromophenol	**129**	Q	120		10-120
4-Terphenyl-d14	90		89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-07 Batch: WG1422738-2 WG1422738-3								
Acenaphthene	81		81		40-140	0		40
2-Chloronaphthalene	65		78		40-140	18		40
Fluoranthene	78		78		40-140	0		40
Hexachlorobutadiene	57		68		40-140	18		40
Naphthalene	67		82		40-140	20		40
Benzo(a)anthracene	79		80		40-140	1		40
Benzo(a)pyrene	91		92		40-140	1		40
Benzo(b)fluoranthene	80		83		40-140	4		40
Benzo(k)fluoranthene	88		86		40-140	2		40
Chrysene	92		92		40-140	0		40
Acenaphthylene	67		92		40-140	31		40
Anthracene	87		87		40-140	0		40
Benzo(ghi)perylene	86		87		40-140	1		40
Fluorene	90		89		40-140	1		40
Phenanthrene	81		81		40-140	0		40
Dibenzo(a,h)anthracene	84		85		40-140	1		40
Indeno(1,2,3-cd)pyrene	73		75		40-140	3		40
Pyrene	79		79		40-140	0		40
2-Methylnaphthalene	63		76		40-140	19		40
Pentachlorophenol	94		102		40-140	8		40
Hexachlorobenzene	76		76		40-140	0		40
Hexachloroethane	86		87		40-140	1		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06-07 Batch: WG1422738-2 WG1422738-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		78		21-120
Phenol-d6	69		68		10-120
Nitrobenzene-d5	109		111		23-120
2-Fluorobiphenyl	61		74		15-120
2,4,6-Tribromophenol	70		70		10-120
4-Terphenyl-d14	66		67		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1423368-2 WG1423368-3								
Acenaphthene	68		64		31-137	6		50
1,2,4-Trichlorobenzene	68		60		38-107	13		50
Hexachlorobenzene	77		71		40-140	8		50
Bis(2-chloroethyl)ether	62		57		40-140	8		50
2-Chloronaphthalene	70		66		40-140	6		50
1,2-Dichlorobenzene	62		57		40-140	8		50
1,3-Dichlorobenzene	61		56		40-140	9		50
1,4-Dichlorobenzene	61		57		28-104	7		50
3,3'-Dichlorobenzidine	57		55		40-140	4		50
2,4-Dinitrotoluene	77		72		40-132	7		50
2,6-Dinitrotoluene	80		73		40-140	9		50
Fluoranthene	73		68		40-140	7		50
4-Chlorophenyl phenyl ether	72		68		40-140	6		50
4-Bromophenyl phenyl ether	77		71		40-140	8		50
Bis(2-chloroisopropyl)ether	52		48		40-140	8		50
Bis(2-chloroethoxy)methane	64		58		40-117	10		50
Hexachlorobutadiene	69		66		40-140	4		50
Hexachlorocyclopentadiene	56		54		40-140	4		50
Hexachloroethane	62		57		40-140	8		50
Isophorone	65		59		40-140	10		50
Naphthalene	64		61		40-140	5		50
Nitrobenzene	63		58		40-140	8		50
NDPA/DPA	73		68		36-157	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1423368-2 WG1423368-3								
n-Nitrosodi-n-propylamine	64		58		32-121	10		50
Bis(2-ethylhexyl)phthalate	81		75		40-140	8		50
Butyl benzyl phthalate	82		75		40-140	9		50
Di-n-butylphthalate	78		72		40-140	8		50
Di-n-octylphthalate	75		70		40-140	7		50
Diethyl phthalate	74		68		40-140	8		50
Dimethyl phthalate	74		68		40-140	8		50
Benzo(a)anthracene	68		64		40-140	6		50
Benzo(a)pyrene	78		74		40-140	5		50
Benzo(b)fluoranthene	75		71		40-140	5		50
Benzo(k)fluoranthene	75		71		40-140	5		50
Chrysene	69		65		40-140	6		50
Acenaphthylene	72		68		40-140	6		50
Anthracene	70		65		40-140	7		50
Benzo(ghi)perylene	72		69		40-140	4		50
Fluorene	70		66		40-140	6		50
Phenanthrene	68		63		40-140	8		50
Dibenzo(a,h)anthracene	73		69		40-140	6		50
Indeno(1,2,3-cd)pyrene	76		72		40-140	5		50
Pyrene	71		66		35-142	7		50
Biphenyl	71		66		37-127	7		50
4-Chloroaniline	54		58		40-140	7		50
2-Nitroaniline	79		74		47-134	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1423368-2 WG1423368-3								
3-Nitroaniline	60		58		26-129	3		50
4-Nitroaniline	74		68		41-125	8		50
Dibenzofuran	68		64		40-140	6		50
2-Methylnaphthalene	68		64		40-140	6		50
1,2,4,5-Tetrachlorobenzene	72		68		40-117	6		50
Acetophenone	67		61		14-144	9		50
2,4,6-Trichlorophenol	77		71		30-130	8		50
p-Chloro-m-cresol	74		69		26-103	7		50
2-Chlorophenol	67		62		25-102	8		50
2,4-Dichlorophenol	73		66		30-130	10		50
2,4-Dimethylphenol	71		64		30-130	10		50
2-Nitrophenol	71		64		30-130	10		50
4-Nitrophenol	68		61		11-114	11		50
2,4-Dinitrophenol	64		58		4-130	10		50
4,6-Dinitro-o-cresol	81		72		10-130	12		50
Pentachlorophenol	76		68		17-109	11		50
Phenol	63		57		26-90	10		50
2-Methylphenol	68		62		30-130.	9		50
3-Methylphenol/4-Methylphenol	67		61		30-130	9		50
2,4,5-Trichlorophenol	78		70		30-130	11		50
Benzoic Acid	61		58		10-110	5		50
Benzyl Alcohol	65		61		40-140	6		50
Carbazole	70		65		54-128	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1423368-2 WG1423368-3								
1,4-Dioxane	45		45		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		55		25-120
Phenol-d6	60		55		10-120
Nitrobenzene-d5	57		52		23-120
2-Fluorobiphenyl	63		59		30-120
2,4,6-Tribromophenol	75		69		10-136
4-Terphenyl-d14	67		62		18-120

PCBS

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01
Client ID: PH2_SB03_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 08:38
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/18/20 12:40
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 23:46
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	3.06	1	A
Aroclor 1221	ND		ug/kg	34.5	3.46	1	A
Aroclor 1232	ND		ug/kg	34.5	7.32	1	A
Aroclor 1242	ND		ug/kg	34.5	4.65	1	A
Aroclor 1248	ND		ug/kg	34.5	5.18	1	A
Aroclor 1254	ND		ug/kg	34.5	3.78	1	A
Aroclor 1260	19.7	JP	ug/kg	34.5	6.38	1	A
Aroclor 1262	ND		ug/kg	34.5	4.38	1	A
Aroclor 1268	5.17	JP	ug/kg	34.5	3.58	1	A
PCBs, Total	24.9	J	ug/kg	34.5	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03
Client ID: PH2_SB03_3-5
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:45
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/18/20 12:53
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 23:46
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	3.38	1	A
Aroclor 1221	ND		ug/kg	38.1	3.82	1	A
Aroclor 1232	ND		ug/kg	38.1	8.08	1	A
Aroclor 1242	ND		ug/kg	38.1	5.14	1	A
Aroclor 1248	ND		ug/kg	38.1	5.72	1	A
Aroclor 1254	ND		ug/kg	38.1	4.17	1	A
Aroclor 1260	ND		ug/kg	38.1	7.04	1	A
Aroclor 1262	ND		ug/kg	38.1	4.84	1	A
Aroclor 1268	ND		ug/kg	38.1	3.95	1	A
PCBs, Total	ND		ug/kg	38.1	3.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04
Client ID: PH1_SB05_7-9
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 11:35
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/18/20 13:06
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 23:46
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.42	1	A
Aroclor 1221	ND		ug/kg	38.5	3.86	1	A
Aroclor 1232	ND		ug/kg	38.5	8.16	1	A
Aroclor 1242	ND		ug/kg	38.5	5.19	1	A
Aroclor 1248	ND		ug/kg	38.5	5.78	1	A
Aroclor 1254	ND		ug/kg	38.5	4.21	1	A
Aroclor 1260	ND		ug/kg	38.5	7.12	1	A
Aroclor 1262	ND		ug/kg	38.5	4.89	1	A
Aroclor 1268	ND		ug/kg	38.5	3.99	1	A
PCBs, Total	ND		ug/kg	38.5	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05
Client ID: PH1_SB05_11-13
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 12:40
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/18/20 13:18
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/17/20 23:46
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	3.61	1	A
Aroclor 1221	ND		ug/kg	40.7	4.08	1	A
Aroclor 1232	ND		ug/kg	40.7	8.62	1	A
Aroclor 1242	ND		ug/kg	40.7	5.48	1	A
Aroclor 1248	ND		ug/kg	40.7	6.10	1	A
Aroclor 1254	ND		ug/kg	40.7	4.45	1	A
Aroclor 1260	ND		ug/kg	40.7	7.52	1	A
Aroclor 1262	ND		ug/kg	40.7	5.16	1	A
Aroclor 1268	ND		ug/kg	40.7	4.21	1	A
PCBs, Total	ND		ug/kg	40.7	3.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06
Client ID: PH2_MW03_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 15:20
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/17/20 13:34
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 10/17/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/17/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07
Client ID: PH1_MW05_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 17:00
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/17/20 13:42
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 17:14
Cleanup Method: EPA 3665A
Cleanup Date: 10/17/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/17/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/16/20 17:01
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/16/20 00:23
Cleanup Method: EPA 3665A
Cleanup Date: 10/16/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/16/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06-07 Batch: WG1422727-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/18/20 09:54
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/17/20 05:58
Cleanup Method: EPA 3665A
Cleanup Date: 10/17/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/17/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG1423213-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.18	A
Aroclor 1232	ND		ug/kg	31.8	6.73	A
Aroclor 1242	ND		ug/kg	31.8	4.28	A
Aroclor 1248	ND		ug/kg	31.8	4.76	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.87	A
Aroclor 1262	ND		ug/kg	31.8	4.03	A
Aroclor 1268	ND		ug/kg	31.8	3.29	A
PCBs, Total	ND		ug/kg	31.8	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	40		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06-07 Batch: WG1422727-2 WG1422727-3									
Aroclor 1016	92		92		40-140	1		50	A
Aroclor 1260	71		72		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	A
Decachlorobiphenyl	54		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	67		55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1423213-2 WG1423213-3									
Aroclor 1016	63		81		40-140	25		50	A
Aroclor 1260	62		80		40-140	25		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		73		30-150	A
Decachlorobiphenyl	60		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		71		30-150	B
Decachlorobiphenyl	46		54		30-150	B

METALS

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.067	J	mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Barium, TCLP	0.239	J	mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Chromium, TCLP	0.128	J	mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:02	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 16:15	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01 Date Collected: 10/15/20 08:38

Client ID: PH2_SB03_0-2 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5120		mg/kg	8.52	2.30	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.26	0.324	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Arsenic, Total	19.6		mg/kg	0.852	0.177	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Barium, Total	99.6		mg/kg	0.852	0.148	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.426	0.028	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Cadmium, Total	0.860		mg/kg	0.852	0.084	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Calcium, Total	37400		mg/kg	8.52	2.98	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Chromium, Total	41.6		mg/kg	0.852	0.082	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Cobalt, Total	5.70		mg/kg	1.70	0.141	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Copper, Total	40.7		mg/kg	0.852	0.220	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Iron, Total	13300		mg/kg	4.26	0.769	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Lead, Total	103		mg/kg	4.26	0.228	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Magnesium, Total	10000		mg/kg	8.52	1.31	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Manganese, Total	182		mg/kg	0.852	0.135	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Mercury, Total	0.165		mg/kg	0.068	0.045	1	10/20/20 09:00	10/20/20 18:00	EPA 7471B	1,7471B	AL
Nickel, Total	25.3		mg/kg	2.13	0.206	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Potassium, Total	1830		mg/kg	213	12.3	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Selenium, Total	0.681	J	mg/kg	1.70	0.220	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.852	0.241	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Sodium, Total	637		mg/kg	170	2.68	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.70	0.268	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Vanadium, Total	20.8		mg/kg	0.852	0.173	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
Zinc, Total	107		mg/kg	4.26	0.250	2	10/20/20 11:10	10/21/20 12:38	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	39		mg/kg	0.87	0.87	1		10/21/20 12:38	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-02 Date Collected: 10/15/20 09:30

Client ID: PH2_SB03_9-11 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/05/20 05:46

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Barium, TCLP	0.525		mg/l	0.500	0.021	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Lead, TCLP	0.194	J	mg/l	0.500	0.027	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/06/20 10:07	11/06/20 13:42	EPA 7470A	1,7470A	OL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/20 09:13	11/06/20 11:18	EPA 3015	1,6010D	GD

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-02 Date Collected: 10/15/20 09:30

Client ID: PH2_SB03_9-11 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, 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	7870		mg/kg	8.82	2.38	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.41	0.335	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Arsenic, Total	4.35		mg/kg	0.882	0.184	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Barium, Total	59.8		mg/kg	0.882	0.154	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Beryllium, Total	0.097	J	mg/kg	0.441	0.029	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Cadmium, Total	0.635	J	mg/kg	0.882	0.087	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Calcium, Total	2430		mg/kg	8.82	3.09	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Chromium, Total	19.0		mg/kg	0.882	0.085	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Cobalt, Total	7.79		mg/kg	1.76	0.146	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Copper, Total	29.9		mg/kg	0.882	0.228	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Iron, Total	15400		mg/kg	4.41	0.797	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Lead, Total	60.3		mg/kg	4.41	0.236	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Magnesium, Total	3640		mg/kg	8.82	1.36	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Manganese, Total	144		mg/kg	0.882	0.140	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Mercury, Total	0.154		mg/kg	0.080	0.052	1	11/05/20 13:36	11/05/20 20:19	EPA 7471B	1,7471B	AL
Nickel, Total	15.7		mg/kg	2.20	0.214	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Potassium, Total	1180		mg/kg	220	12.7	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.76	0.228	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.882	0.250	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Sodium, Total	103	J	mg/kg	176	2.78	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.76	0.278	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Vanadium, Total	22.5		mg/kg	0.882	0.179	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
Zinc, Total	83.6		mg/kg	4.41	0.258	2	11/05/20 13:37	11/06/20 11:08	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19	J	mg/kg	0.93	0.93	1		11/06/20 11:08	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 Date Collected: 10/15/20 09:45

Client ID: PH2_SB03_3-5 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.028	J	mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Barium, TCLP	0.192	J	mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Lead, TCLP	1.32		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:09	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 16:20	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03 Date Collected: 10/15/20 09:45

Client ID: PH2_SB03_3-5 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5510		mg/kg	9.36	2.53	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.68	0.356	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Arsenic, Total	5.19		mg/kg	0.936	0.195	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Barium, Total	1110		mg/kg	0.936	0.163	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.468	0.031	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Cadmium, Total	0.852	J	mg/kg	0.936	0.092	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Calcium, Total	15500		mg/kg	9.36	3.28	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Chromium, Total	13.8		mg/kg	0.936	0.090	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Cobalt, Total	7.12		mg/kg	1.87	0.155	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Copper, Total	30.7		mg/kg	0.936	0.242	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Iron, Total	12100		mg/kg	4.68	0.845	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Lead, Total	395		mg/kg	4.68	0.251	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Magnesium, Total	4060		mg/kg	9.36	1.44	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Manganese, Total	144		mg/kg	0.936	0.149	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Mercury, Total	0.413		mg/kg	0.075	0.049	1	10/20/20 09:00	10/20/20 18:43	EPA 7471B	1,7471B	AL
Nickel, Total	17.9		mg/kg	2.34	0.226	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Potassium, Total	1990		mg/kg	234	13.5	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Selenium, Total	0.637	J	mg/kg	1.87	0.242	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.936	0.265	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Sodium, Total	591		mg/kg	187	2.95	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.87	0.295	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Vanadium, Total	20.4		mg/kg	0.936	0.190	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
Zinc, Total	328		mg/kg	4.68	0.274	2	10/20/20 11:10	10/21/20 12:52	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13	J	mg/kg	0.95	0.95	1		10/21/20 12:52	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

TCLP/SPLP Ext. Date: 11/03/20 21:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Barium, TCLP	0.268	J	mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:11	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 16:24	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04 Date Collected: 10/15/20 11:35

Client ID: PH1_SB05_7-9 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7170		mg/kg	9.22	2.49	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.61	0.350	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Arsenic, Total	4.63		mg/kg	0.922	0.192	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Barium, Total	59.5		mg/kg	0.922	0.160	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Beryllium, Total	0.249	J	mg/kg	0.461	0.030	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Cadmium, Total	0.553	J	mg/kg	0.922	0.090	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Calcium, Total	1950		mg/kg	9.22	3.23	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Chromium, Total	12.7		mg/kg	0.922	0.089	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Cobalt, Total	6.23		mg/kg	1.84	0.153	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Copper, Total	21.4		mg/kg	0.922	0.238	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Iron, Total	13900		mg/kg	4.61	0.833	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Lead, Total	121		mg/kg	4.61	0.247	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Magnesium, Total	2560		mg/kg	9.22	1.42	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Manganese, Total	243		mg/kg	0.922	0.147	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Mercury, Total	0.543		mg/kg	0.074	0.048	1	10/20/20 09:00	10/20/20 18:46	EPA 7471B	1,7471B	AL
Nickel, Total	13.0		mg/kg	2.30	0.223	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Potassium, Total	643		mg/kg	230	13.3	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Selenium, Total	0.553	J	mg/kg	1.84	0.238	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.922	0.261	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Sodium, Total	151	J	mg/kg	184	2.90	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.84	0.290	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Vanadium, Total	18.5		mg/kg	0.922	0.187	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
Zinc, Total	61.4		mg/kg	4.61	0.270	2	10/20/20 11:10	10/21/20 12:57	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12	J	mg/kg	0.94	0.94	1		10/21/20 12:57	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.028	J	mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Barium, TCLP	0.354	J	mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/06/20 10:07	11/06/20 13:31	EPA 7470A	1,7470A	OL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 16:29	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05 Date Collected: 10/15/20 12:40

Client ID: PH1_SB05_11-13 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9370		mg/kg	9.38	2.53	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Antimony, Total	ND		mg/kg	4.69	0.356	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Arsenic, Total	4.25		mg/kg	0.938	0.195	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Barium, Total	69.1		mg/kg	0.938	0.163	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Beryllium, Total	0.122	J	mg/kg	0.469	0.031	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Cadmium, Total	0.647	J	mg/kg	0.938	0.092	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Calcium, Total	1920		mg/kg	9.38	3.28	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Chromium, Total	17.9		mg/kg	0.938	0.090	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Cobalt, Total	7.50		mg/kg	1.88	0.156	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Copper, Total	21.1		mg/kg	0.938	0.242	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Iron, Total	15900		mg/kg	4.69	0.847	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Lead, Total	102		mg/kg	4.69	0.251	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Magnesium, Total	3340		mg/kg	9.38	1.44	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Manganese, Total	234		mg/kg	0.938	0.149	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Mercury, Total	0.370		mg/kg	0.077	0.050	1	10/20/20 09:00	10/20/20 18:49	EPA 7471B	1,7471B	AL
Nickel, Total	14.9		mg/kg	2.34	0.227	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Potassium, Total	1190		mg/kg	234	13.5	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Selenium, Total	0.629	J	mg/kg	1.88	0.242	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.938	0.266	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Sodium, Total	175	J	mg/kg	188	2.96	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.88	0.296	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Vanadium, Total	23.3		mg/kg	0.938	0.190	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
Zinc, Total	91.2		mg/kg	4.69	0.275	2	10/20/20 11:10	10/21/20 13:01	EPA 3050B	1,6010D	GD
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17	J	mg/kg	0.98	0.98	1		10/21/20 13:01	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.650		mg/l	0.0100	0.00327	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Antimony, Total	0.00088	J	mg/l	0.00400	0.00042	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00267		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Barium, Total	0.03463		mg/l	0.00050	0.00017	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Calcium, Total	79.8		mg/l	0.100	0.0394	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Chromium, Total	0.00193		mg/l	0.00100	0.00017	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00185		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Copper, Total	0.00155		mg/l	0.00100	0.00038	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Iron, Total	1.13		mg/l	0.0500	0.0191	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Lead, Total	0.00251		mg/l	0.00100	0.00034	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Magnesium, Total	6.22		mg/l	0.0700	0.0242	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Manganese, Total	0.2099		mg/l	0.00100	0.00044	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/17/20 16:20	10/20/20 18:39	EPA 7470A	1,7470A	AL
Nickel, Total	0.00174	J	mg/l	0.00200	0.00055	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Potassium, Total	9.64		mg/l	0.100	0.0309	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Selenium, Total	0.00264	J	mg/l	0.00500	0.00173	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Sodium, Total	9.75		mg/l	0.100	0.0293	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00289	J	mg/l	0.00500	0.00157	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
Zinc, Total	0.00581	J	mg/l	0.01000	0.00341	1	10/17/20 11:55	10/19/20 16:22	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		10/19/20 16:22	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06 Date Collected: 10/15/20 15:20

Client ID: PH2_MW03_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0191		mg/l	0.0100	0.00327	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00148	J	mg/l	0.00400	0.00042	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00239		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.03065		mg/l	0.00050	0.00017	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Calcium, Dissolved	76.5		mg/l	0.100	0.0394	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00105		mg/l	0.00100	0.00017	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00166		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00235		mg/l	0.00100	0.00038	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.545		mg/l	0.0700	0.0191	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	6.23		mg/l	0.0700	0.0242	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2063		mg/l	0.00100	0.00044	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/19/20 11:27	10/20/20 14:27	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00084	J	mg/l	0.00200	0.00055	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Potassium, Dissolved	9.23		mg/l	0.100	0.0309	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Selenium, Dissolved	0.00247	J	mg/l	0.00500	0.00173	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Sodium, Dissolved	10.1		mg/l	0.100	0.0293	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00025	J	mg/l	0.00100	0.00014	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00169	J	mg/l	0.00500	0.00157	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00410	J	mg/l	0.01000	0.00341	1	10/19/20 10:14	10/20/20 10:24	EPA 3005A	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.13		mg/l	0.0100	0.00327	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01191		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Barium, Total	0.01312		mg/l	0.00050	0.00017	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00011	J	mg/l	0.00050	0.00010	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Calcium, Total	81.2		mg/l	0.100	0.0394	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Chromium, Total	0.00385		mg/l	0.00100	0.00017	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00216		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Copper, Total	0.00263		mg/l	0.00100	0.00038	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Iron, Total	30.1		mg/l	0.0500	0.0191	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Lead, Total	0.00360		mg/l	0.00100	0.00034	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Magnesium, Total	15.2		mg/l	0.0700	0.0242	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Manganese, Total	2.622		mg/l	0.00100	0.00044	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/17/20 16:20	10/20/20 18:42	EPA 7470A	1,7470A	AL
Nickel, Total	0.01035		mg/l	0.00200	0.00055	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Potassium, Total	16.2		mg/l	0.100	0.0309	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Sodium, Total	157.		mg/l	0.100	0.0293	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00440	J	mg/l	0.00500	0.00157	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
Zinc, Total	0.00651	J	mg/l	0.01000	0.00341	1	10/17/20 11:55	10/19/20 16:27	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		10/19/20 16:27	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07 Date Collected: 10/15/20 17:00

Client ID: PH1_MW05_101520 Date Received: 10/15/20

Sample Location: 691 LENOX AVE, HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.01120		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00970		mg/l	0.00050	0.00017	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Calcium, Dissolved	80.7		mg/l	0.100	0.0394	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00084	J	mg/l	0.00100	0.00017	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00143		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Iron, Dissolved	28.4		mg/l	0.0700	0.0191	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	15.8		mg/l	0.0700	0.0242	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Manganese, Dissolved	2.786		mg/l	0.00100	0.00044	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/19/20 11:27	10/20/20 14:08	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00848		mg/l	0.00200	0.00055	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Potassium, Dissolved	15.7		mg/l	0.100	0.0309	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Sodium, Dissolved	160.		mg/l	0.100	0.0293	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00015	J	mg/l	0.00100	0.00014	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/19/20 10:14	10/20/20 10:29	EPA 3005A	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

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): 06-07 Batch: WG1423016-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Chromium, Total	0.00061	J	mg/l	0.00100	0.00017	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/17/20 11:55	10/19/20 13:09	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 06-07 Batch: WG1423021-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/17/20 16:20	10/20/20 17:49	1,7470A	AL

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06-07 Batch: WG1423091-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Chromium, Dissolved	0.00067	J	mg/l	0.00100	0.00017	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Iron, Dissolved	0.0268	J	mg/l	0.0700	0.0191	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Thallium, Dissolved	0.00020	J	mg/l	0.00100	0.00014	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/19/20 10:14	10/20/20 10:00	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 06-07 Batch: WG1423092-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/19/20 11:27	10/20/20 13:59	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03-05 Batch: WG1423806-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Antimony, Total	0.228	J	mg/kg	2.00	0.152	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Iron, Total	2.54		mg/kg	2.00	0.361	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Manganese, Total	0.068	J	mg/kg	0.400	0.064	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Sodium, Total	10.8	J	mg/kg	80.0	1.26	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/20/20 11:10	10/21/20 11:03	1,6010D	GD

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

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): 01,03-05 Batch: WG1423809-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/20/20 09:00	10/20/20 17:46	1,7471B	AL

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01,03-05 Batch: WG1430486-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/20 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01,03-04 Batch: WG1430779-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 16:48	1,7470A	AL

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/02/20 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1430798-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Antimony, Total	0.220	J	mg/kg	2.00	0.152	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Iron, Total	0.604	J	mg/kg	2.00	0.361	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Sodium, Total	3.94	J	mg/kg	80.0	1.26	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/05/20 13:37	11/06/20 10:55	1,6010D	GD

Prep Information

Digestion Method: EPA 3050B

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

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): 02 Batch: WG1430800-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/05/20 13:36	11/05/20 19:59	1,7471B	AL

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02 Batch: WG1431199-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/20 09:13	11/06/20 10:31	1,6010D	GD

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/04/20 22:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02 Batch: WG1431202-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/06/20 10:07	11/06/20 13:38	1,7470A	OL

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/04/20 22:12

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 05 Batch: WG1431209-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/06/20 10:07	11/06/20 13:22	1,7470A	OL

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/03/20 21:39

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423016-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	105		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	103		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	97		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	111		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	101		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423016-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423021-2					
Mercury, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423091-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	82	-	80-120	-	
Arsenic, Dissolved	99	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	107	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	100	-	80-120	-	
Chromium, Dissolved	101	-	80-120	-	
Cobalt, Dissolved	102	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Iron, Dissolved	111	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Magnesium, Dissolved	100	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	98	-	80-120	-	
Potassium, Dissolved	99	-	80-120	-	
Selenium, Dissolved	102	-	80-120	-	
Silver, Dissolved	104	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	102	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423091-2					
Zinc, Dissolved	108	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 Batch: WG1423092-2					
Mercury, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1423806-2 SRM Lot Number: D109-540					
Aluminum, Total	63	-	50-150	-	
Antimony, Total	165	-	19-250	-	
Arsenic, Total	102	-	70-130	-	
Barium, Total	97	-	75-125	-	
Beryllium, Total	112	-	75-125	-	
Cadmium, Total	112	-	75-125	-	
Calcium, Total	103	-	73-128	-	
Chromium, Total	100	-	70-130	-	
Cobalt, Total	113	-	75-125	-	
Copper, Total	94	-	75-125	-	
Iron, Total	95	-	35-165	-	
Lead, Total	94	-	72-128	-	
Magnesium, Total	87	-	62-138	-	
Manganese, Total	100	-	74-126	-	
Nickel, Total	112	-	70-130	-	
Potassium, Total	82	-	59-141	-	
Selenium, Total	107	-	68-132	-	
Silver, Total	92	-	68-131	-	
Sodium, Total	107	-	35-165	-	
Thallium, Total	104	-	68-131	-	
Vanadium, Total	96	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1423806-2 SRM Lot Number: D109-540						
Zinc, Total	98		-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1423809-2 SRM Lot Number: D109-540						
Mercury, Total	100		-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1430486-2						
Arsenic, TCLP	108		-	75-125	-	20
Barium, TCLP	102		-	75-125	-	20
Cadmium, TCLP	104		-	75-125	-	20
Chromium, TCLP	100		-	75-125	-	20
Lead, TCLP	102		-	75-125	-	20
Selenium, TCLP	99		-	75-125	-	20
Silver, TCLP	98		-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1430779-2						
Mercury, TCLP	**124**	Q	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1430798-2 SRM Lot Number: D109-540					
Aluminum, Total	74	-	50-150	-	
Antimony, Total	197	-	19-250	-	
Arsenic, Total	112	-	70-130	-	
Barium, Total	104	-	75-125	-	
Beryllium, Total	104	-	75-125	-	
Cadmium, Total	99	-	75-125	-	
Calcium, Total	96	-	73-128	-	
Chromium, Total	106	-	70-130	-	
Cobalt, Total	103	-	75-125	-	
Copper, Total	110	-	75-125	-	
Iron, Total	105	-	35-165	-	
Lead, Total	108	-	72-128	-	
Magnesium, Total	90	-	62-138	-	
Manganese, Total	103	-	74-126	-	
Nickel, Total	103	-	70-130	-	
Potassium, Total	90	-	59-141	-	
Selenium, Total	106	-	68-132	-	
Silver, Total	111	-	68-131	-	
Sodium, Total	104	-	35-165	-	
Thallium, Total	100	-	68-131	-	
Vanadium, Total	110	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1430798-2 SRM Lot Number: D109-540					
Zinc, Total	104	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1430800-2 SRM Lot Number: D109-540					
Mercury, Total	109	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1431199-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	103	-	75-125	-	20
Chromium, TCLP	103	-	75-125	-	20
Lead, TCLP	101	-	75-125	-	20
Selenium, TCLP	99	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1431202-2					
Mercury, TCLP	115	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 Batch: WG1431209-2					
Mercury, TCLP	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 06-07 QC Batch ID: WG1423016-3 QC Sample: L2044460-01 Client ID: MS Sample												
Aluminum, Total	5.52	2	7.36	92		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.5023	100		-	-		75-125	-		20
Arsenic, Total	0.00129	0.12	0.1244	102		-	-		75-125	-		20
Barium, Total	0.05658	2	2.082	101		-	-		75-125	-		20
Beryllium, Total	0.00019J	0.05	0.05195	104		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05611	110		-	-		75-125	-		20
Calcium, Total	136	10	143	**70**	Q	-	-		75-125	-		20
Chromium, Total	0.00901	0.2	0.1978	94		-	-		75-125	-		20
Cobalt, Total	0.00277	0.5	0.4875	97		-	-		75-125	-		20
Copper, Total	0.00492	0.25	0.2541	100		-	-		75-125	-		20
Iron, Total	9.37	1	9.65	**28**	Q	-	-		75-125	-		20
Lead, Total	0.00270	0.51	0.5436	106		-	-		75-125	-		20
Magnesium, Total	54.8	10	63.8	90		-	-		75-125	-		20
Manganese, Total	0.1827	0.5	0.6649	96		-	-		75-125	-		20
Nickel, Total	0.00870	0.5	0.4758	93		-	-		75-125	-		20
Potassium, Total	2.41	10	12.2	98		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.126	105		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05171	103		-	-		75-125	-		20
Sodium, Total	66.0	10	69.1	**31**	Q	-	-		75-125	-		20
Thallium, Total	0.00027J	0.12	0.1205	100		-	-		75-125	-		20
Vanadium, Total	0.00726	0.5	0.4880	96		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 06-07 QC Batch ID: WG1423016-3 QC Sample: L2044460-01 Client ID: MS Sample									
Zinc, Total	0.01591	0.5	0.5584	108	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423021-3 QC Sample: L2044405-10 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00500	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423091-3 QC Sample: L2044509-06 Client ID: PH2_MW03_101520									
Aluminum, Dissolved	0.0191	2	1.97	98	-	-	75-125	-	20
Antimony, Dissolved	0.00148J	0.5	0.4342	87	-	-	75-125	-	20
Arsenic, Dissolved	0.00239	0.12	0.1070	87	-	-	75-125	-	20
Barium, Dissolved	0.03065	2	2.048	101	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05913	118	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05677	111	-	-	75-125	-	20
Calcium, Dissolved	76.5	10	86.2	97	-	-	75-125	-	20
Chromium, Dissolved	0.00105	0.2	0.1989	99	-	-	75-125	-	20
Cobalt, Dissolved	0.00166	0.5	0.4947	99	-	-	75-125	-	20
Copper, Dissolved	0.00235	0.25	0.2504	99	-	-	75-125	-	20
Iron, Dissolved	0.545	1	1.59	104	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5564	109	-	-	75-125	-	20
Magnesium, Dissolved	6.23	10	16.1	99	-	-	75-125	-	20
Manganese, Dissolved	0.2063	0.5	0.7038	100	-	-	75-125	-	20
Nickel, Dissolved	0.00084J	0.5	0.4793	96	-	-	75-125	-	20
Potassium, Dissolved	9.23	10	19.3	101	-	-	75-125	-	20
Selenium, Dissolved	0.00247J	0.12	0.129	108	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05356	107	-	-	75-125	-	20
Sodium, Dissolved	10.1	10	19.6	95	-	-	75-125	-	20
Thallium, Dissolved	0.00025J	0.12	0.1269	106	-	-	75-125	-	20
Vanadium, Dissolved	0.00169J	0.5	0.5053	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423091-3 QC Sample: L2044509-06 Client ID: PH2_MW03_101520									
Zinc, Dissolved	0.00410J	0.5	0.5412	108	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423092-3 QC Sample: L2044509-07 Client ID: PH1_MW05_101520									
Mercury, Dissolved	ND	0.005	0.00476	95	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 01,03-05 QC Batch ID: WG1423806-3 QC Sample: L2043999-01 Client ID: MS Sample										
Aluminum, Total	7550	176	8300	**426**	Q	-	-	75-125	-	20
Antimony, Total	ND	44	40.7	92		-	-	75-125	-	20
Arsenic, Total	9.42	10.6	23.7	**135**	Q	-	-	75-125	-	20
Barium, Total	60.8	176	224	93		-	-	75-125	-	20
Beryllium, Total	0.129J	4.4	4.12	94		-	-	75-125	-	20
Cadmium, Total	1.83	4.49	6.15	96		-	-	75-125	-	20
Calcium, Total	16800	880	19700	**330**	Q	-	-	75-125	-	20
Chromium, Total	110	17.6	295	**1050**	Q	-	-	75-125	-	20
Cobalt, Total	9.46	44	46.2	84		-	-	75-125	-	20
Copper, Total	55.3	22	82.8	125		-	-	75-125	-	20
Iron, Total	41300	88	48000	**7610**	Q	-	-	75-125	-	20
Lead, Total	373	44.9	682	**688**	Q	-	-	75-125	-	20
Magnesium, Total	4140	880	5150	115		-	-	75-125	-	20
Manganese, Total	547	44	583	82		-	-	75-125	-	20
Nickel, Total	29.9	44	67.1	84		-	-	75-125	-	20
Potassium, Total	982	880	1700	82		-	-	75-125	-	20
Selenium, Total	0.464J	10.6	10.2	97		-	-	75-125	-	20
Silver, Total	ND	26.4	24.9	94		-	-	75-125	-	20
Sodium, Total	186	880	1100	104		-	-	75-125	-	20
Thallium, Total	0.266J	10.6	8.63	82		-	-	75-125	-	20
Vanadium, Total	16.2	44	54.0	86		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 01,03-05 QC Batch ID: WG1423806-3 QC Sample: L2043999-01 Client ID: MS Sample										
Zinc, Total	740	44	726	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1423809-3 QC Sample: L2044509-01 Client ID: PH2_SB03_0-2										
Mercury, Total	0.165	0.136	0.279	84		-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1430486-3 QC Sample: L2047769-02 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.26	105		-	-	75-125	-	20
Barium, TCLP	0.341J	20	21.0	105		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.528	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	2.03	102		-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.24	103		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.19	99		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.494	99		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-04 QC Batch ID: WG1430779-3 QC Sample: L2043841-02 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0295	118		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 02 QC Batch ID: WG1430798-3 QC Sample: L2043841-04 Client ID: MS Sample										
Aluminum, Total	4860	184	5330	**256**	Q	-	-	75-125	-	20
Antimony, Total	ND	45.9	46.6	101		-	-	75-125	-	20
Arsenic, Total	1.30	11	12.8	104		-	-	75-125	-	20
Barium, Total	19.9	184	203	100		-	-	75-125	-	20
Beryllium, Total	0.174J	4.59	4.74	103		-	-	75-125	-	20
Cadmium, Total	0.266J	4.68	4.85	104		-	-	75-125	-	20
Calcium, Total	451	918	1340	97		-	-	75-125	-	20
Chromium, Total	8.36	18.4	31.9	**128**	Q	-	-	75-125	-	20
Cobalt, Total	2.96	45.9	46.2	94		-	-	75-125	-	20
Copper, Total	7.69	23	31.2	102		-	-	75-125	-	20
Iron, Total	8720	91.8	8890	**185**	Q	-	-	75-125	-	20
Lead, Total	4.06J	46.8	50.0	107		-	-	75-125	-	20
Magnesium, Total	1670	918	2570	98		-	-	75-125	-	20
Manganese, Total	71.1	45.9	116	98		-	-	75-125	-	20
Nickel, Total	7.23	45.9	50.7	95		-	-	75-125	-	20
Potassium, Total	473	918	1370	98		-	-	75-125	-	20
Selenium, Total	ND	11	10.2	92		-	-	75-125	-	20
Silver, Total	ND	27.6	27.1	98		-	-	75-125	-	20
Sodium, Total	100J	918	1020	111		-	-	75-125	-	20
Thallium, Total	ND	11	10.3	93		-	-	75-125	-	20
Vanadium, Total	10.9	45.9	54.6	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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): 02 QC Batch ID: WG1430798-3 QC Sample: L2043841-04 Client ID: MS Sample									
Zinc, Total	16.0	45.9	60.9	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430800-3 QC Sample: L2043841-04 Client ID: MS Sample									
Mercury, Total	ND	0.161	0.168	104	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1431199-3 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11									
Arsenic, TCLP	ND	1.2	1.18	98	-	-	75-125	-	20
Barium, TCLP	0.525	20	20.9	102	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.530	104	-	-	75-125	-	20
Chromium, TCLP	ND	2	2.06	103	-	-	75-125	-	20
Lead, TCLP	0.194J	5.1	5.34	105	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.16	97	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.498	100	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1431202-3 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11									
Mercury, TCLP	ND	0.025	0.0265	106	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1431209-3 QC Sample: L2044509-05 Client ID: PH1_SB05_11-13									
Mercury, TCLP	ND	0.025	0.0262	105	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423016-4 QC Sample: L2044460-01 Client ID: DUP Sample						
Aluminum, Total	5.52	5.34	mg/l	3		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.00129	0.00141	mg/l	9		20
Barium, Total	0.05658	0.05570	mg/l	2		20
Beryllium, Total	0.00019J	0.00019J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00901	0.00890	mg/l	1		20
Cobalt, Total	0.00277	0.00284	mg/l	2		20
Copper, Total	0.00492	0.00479	mg/l	3		20
Iron, Total	9.37	9.28	mg/l	1		20
Lead, Total	0.00270	0.00271	mg/l	0		20
Manganese, Total	0.1827	0.1862	mg/l	2		20
Nickel, Total	0.00870	0.00911	mg/l	5		20
Potassium, Total	2.41	2.38	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	66.0	65.1	mg/l	1		20
Thallium, Total	0.00027J	0.00060	mg/l	NC		20
Vanadium, Total	0.00726	0.00707	mg/l	3		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423016-4 QC Sample: L2044460-01 Client ID: DUP Sample					
Zinc, Total	0.01591	0.01533	mg/l	4	20
Total Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423021-4 QC Sample: L2044405-10 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423091-4 QC Sample: L2044509-06 Client ID: PH2_MW03_101520						
Aluminum, Dissolved	0.0191	0.0114	mg/l	**50**	Q	20
Antimony, Dissolved	0.00148J	0.00200J	mg/l	NC		20
Arsenic, Dissolved	0.00239	0.00238	mg/l	1		20
Barium, Dissolved	0.03065	0.02966	mg/l	3		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	ND	ND	mg/l	NC		20
Calcium, Dissolved	76.5	75.6	mg/l	1		20
Chromium, Dissolved	0.00105	0.00098J	mg/l	NC		20
Cobalt, Dissolved	0.00166	0.00154	mg/l	7		20
Copper, Dissolved	0.00235	0.00195	mg/l	18		20
Iron, Dissolved	0.545	0.524	mg/l	4		20
Lead, Dissolved	ND	ND	mg/l	NC		20
Magnesium, Dissolved	6.23	6.02	mg/l	3		20
Manganese, Dissolved	0.2063	0.1945	mg/l	6		20
Nickel, Dissolved	0.00084J	0.00084J	mg/l	NC		20
Potassium, Dissolved	9.23	9.21	mg/l	0		20
Selenium, Dissolved	0.00247J	0.00234J	mg/l	NC		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	10.1	9.79	mg/l	3		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423091-4 QC Sample: L2044509-06 Client ID: PH2_MW03_101520					
Thallium, Dissolved	0.00025J	0.00066J	mg/l	NC	20
Vanadium, Dissolved	0.00169J	0.00185J	mg/l	NC	20
Zinc, Dissolved	0.00410J	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 06-07 QC Batch ID: WG1423092-4 QC Sample: L2044509-07 Client ID: PH1_MW05_101520					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1423806-4 QC Sample: L2043999-01 Client ID: DUP Sample					
Lead, Total	373	427	mg/kg	14	20
Total Metals - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1423809-4 QC Sample: L2044509-01 Client ID: PH2_SB03_0-2					
Mercury, Total	0.165	0.178	mg/kg	8	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1430486-4 QC Sample: L2047769-02 Client ID: DUP Sample					
Arsenic, TCLP	ND	0.054J	mg/l	NC	20
Barium, TCLP	0.341J	0.351J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	0.037J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03-04 QC Batch ID: WG1430779-4 QC Sample: L2043841-02 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430798-4 QC Sample: L2043841-04 Client ID: DUP Sample					
Aluminum, Total	4860	5070	mg/kg	4	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	1.30	1.40	mg/kg	7	20
Barium, Total	19.9	21.1	mg/kg	6	20
Beryllium, Total	0.174J	0.177J	mg/kg	NC	20
Cadmium, Total	0.266J	0.261J	mg/kg	NC	20
Calcium, Total	451	464	mg/kg	3	20
Chromium, Total	8.36	8.63	mg/kg	3	20
Cobalt, Total	2.96	3.04	mg/kg	3	20
Copper, Total	7.69	8.41	mg/kg	9	20
Iron, Total	8720	8740	mg/kg	0	20
Lead, Total	4.06J	4.01J	mg/kg	NC	20
Magnesium, Total	1670	1680	mg/kg	1	20
Manganese, Total	71.1	71.5	mg/kg	1	20
Nickel, Total	7.23	7.43	mg/kg	3	20
Potassium, Total	473	504	mg/kg	6	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	100J	99.8J	mg/kg	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430798-4 QC Sample: L2043841-04 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	10.9	10.9	mg/kg	0	20
Zinc, Total	16.0	16.5	mg/kg	3	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1430800-4 QC Sample: L2043841-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1431199-4 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.525	0.532	mg/l	1	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.194J	0.196J	mg/l	NC	20
Selenium, TCLP	ND	0.064J	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1431202-4 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1431209-4 QC Sample: L2044509-05 Client ID: PH1_SB05_11-13					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-01
Client ID: PH2_SB03_0-2
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 08:38
Date Received: 10/15/20
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	92.3		%	0.100	NA	1	-	10/16/20 11:24	121,2540G	RI
Chromium, Hexavalent	2.40		mg/kg	0.867	0.173	1	10/20/20 20:30	10/21/20 10:30	1,7196A	CW

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-02
Client ID: PH2_SB03_9-11
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:30
Date Received: 10/15/20
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	-	11/05/20 08:58	121,2540G	RI
Chromium, Hexavalent	0.350	J	mg/kg	0.932	0.186	1	11/05/20 11:23	11/06/20 09:11	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-03
Client ID: PH2_SB03_3-5
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 09:45
Date Received: 10/15/20
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	84.5		%	0.100	NA	1	-	10/16/20 11:24	121,2540G	RI
Chromium, Hexavalent	0.343	J	mg/kg	0.947	0.189	1	10/20/20 20:30	10/21/20 10:30	1,7196A	CW

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-04
Client ID: PH1_SB05_7-9
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 11:35
Date Received: 10/15/20
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	84.7		%	0.100	NA	1	-	10/16/20 11:24	121,2540G	RI
Chromium, Hexavalent	0.283	J	mg/kg	0.944	0.189	1	10/20/20 20:30	10/21/20 10:30	1,7196A	CW

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-05
Client ID: PH1_SB05_11-13
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 12:40
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	10/16/20 12:22	121,2540G	RI
Chromium, Hexavalent	0.492	J	mg/kg	0.984	0.197	1	10/20/20 20:30	10/21/20 10:30	1,7196A	CW

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-06
Client ID: PH2_MW03_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 15:20
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/16/20 10:30	10/16/20 11:15	1,7196A	KP

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044509-07
Client ID: PH1_MW05_101520
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/15/20 17:00
Date Received: 10/15/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/16/20 10:30	10/16/20 11:16	1,7196A	KP

Project Name: ONE45 **Lab Number:** L2044509

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06-07 Batch: WG1422927-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/16/20 10:30	10/16/20 11:14	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 01,03-05 Batch: WG1424386-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/20/20 20:30	10/21/20 10:30	1,7196A	CW
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1430735-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/05/20 11:23	11/06/20 09:11	1,7196A	DR

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044509

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-07 Batch: WG1422927-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1424386-2								
Chromium, Hexavalent	85		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1430735-2								
Chromium, Hexavalent	113		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1422927-4 QC Sample: L2044509-06 Client ID: PH2_MW03_101520												
Chromium, Hexavalent	ND	0.1	0.101	101		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 QC Batch ID: WG1424386-4 QC Sample: L2044509-01 Client ID: PH2_SB03_0-2												
Chromium, Hexavalent	2.40	1050	1170	111		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1430735-4 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11												
Chromium, Hexavalent	0.350J	1280	1280	100		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-04 QC Batch ID: WG1422887-1 QC Sample: L2044227-01 Client ID: DUP Sample						
Solids, Total	81.0	80.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 06-07 QC Batch ID: WG1422927-3 QC Sample: L2044509-07 Client ID: PH1_MW05_101520						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1422958-1 QC Sample: L2044265-01 Client ID: DUP Sample						
Solids, Total	86.3	87.0	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01,03-05 QC Batch ID: WG1424386-6 QC Sample: L2044509-01 Client ID: PH2_SB03_0-2						
Chromium, Hexavalent	2.40	2.40	mg/kg	0		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1430637-1 QC Sample: L2048453-01 Client ID: DUP Sample						
Solids, Total	82.5	83.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1430735-6 QC Sample: L2044509-02 Client ID: PH2_SB03_9-11						
Chromium, Hexavalent	0.350J	ND	mg/kg	NC		20

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

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(*)
L2044509-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2044509-01B	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-01C	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-01D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2044509-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2044509-01F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-01G	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044509-01X9	Tumble Vessel	A	NA		5.5	Y	Absent		-
L2044509-02A	Vial MeOH preserved	A	NA		5.5	Y	Absent		HOLD-8260HLW(14)
L2044509-02B	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	HOLD-8260HLW(14)
L2044509-02C	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	HOLD-8260HLW(14)
L2044509-02D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2044509-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	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),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2044509-02F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8270(14),HEXCR-7196(30),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044509-02G	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),HOLD-8270(14),HEXCR-7196(30),HOLD-8082(14)
L2044509-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2044509-02X9	Tumble Vessel	A	NA		5.5	Y	Absent		-
L2044509-03A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2044509-03B	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-03C	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-03D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2044509-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	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),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2044509-03F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-03G	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044509-03X9	Tumble Vessel	A	NA		5.5	Y	Absent		-
L2044509-04A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2044509-04B	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-04C	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-04D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2044509-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-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)
L2044509-04F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-04G	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		NYTCL-8270(14),HOLD-CONTINGENCY(14),NYTCL-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044509-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044509-04X9	Tumble Vessel	A	NA		5.5	Y	Absent		-
L2044509-05A	Vial MeOH preserved	A	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2044509-05B	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-05C	Vial water preserved	A	NA		5.5	Y	Absent	16-OCT-20 09:04	NYTCL-8260HLW(14)
L2044509-05D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L2044509-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2044509-05F	Glass 120ml/4oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-05G	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		HOLD-CONTINGENCY(14),NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044509-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044509-05X9	Tumble Vessel	A	NA		5.5	Y	Absent		-
L2044509-06A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-06B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-06C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-06D	Plastic 250ml HNO3 preserved	A	<2	<2	5.5	Y	Absent		V-6020S(180),SE-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044509-06E	Plastic 250ml HNO3 preserved	A	<2	<2	5.5	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2044509-06F	Amber 120ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8082-LVI(7)
L2044509-06G	Amber 120ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8082-LVI(7)
L2044509-06H	Amber 250ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044509-06I	Amber 250ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044509-06J	Plastic 500ml unpreserved	A	7	7	5.5	Y	Absent		HEXCR-7196(1),HOLD-CONTINGENCY(7)
L2044509-07A	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-07B	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-07C	Vial HCl preserved	A	NA		5.5	Y	Absent		NYTCL-8260(14)
L2044509-07D	Plastic 250ml HNO3 preserved	A	<2	<2	5.5	Y	Absent		SE-6020S(180),CU-6020S(180),V-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),AL-6020S(180),HG-S(28)
L2044509-07E	Plastic 250ml HNO3 preserved	A	<2	<2	5.5	Y	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2044509-07F	Amber 120ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8082-LVI(7)
L2044509-07G	Amber 120ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8082-LVI(7)
L2044509-07H	Amber 250ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044509-07I	Amber 250ml unpreserved	A	7	7	5.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044509
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044509-07J	Plastic 500ml unpreserved	A	7	7	5.5	Y	Absent		HEXCR-7196(1),HOLD-CONTINGENCY(7)

*Values in parentheses indicate holding time in days

Project Name:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

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:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	ONE45	**Lab Number:**	L2044509
Project Number:	170635401	**Report Date:**	11/18/20

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 10/16/20

ALPHA Job #: L2044509

Client Information

Client: Langan
Address: 360 W. 31st Street
New York, NY
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@Langan.com

Project Information

Project Name: One 45
Project Location: 641 Lenox Ave, Harlem, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Woo Kim
ALPHAQuote #: 12332

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

Deliverables

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

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL. TAL Metals

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375/TLC VOCs	Part375/TLC SVOCs	PCBs	TAL Metals	TAL metals (Filtered & Unfiltered)	Hex/Trichrome	Hold TCLP	Hold Analysis	Sample Specific Comments	Total Bottle
44509-01	PH2-SB03-0-2	10/15/20	8:38	S		✓	✓	✓	✓		✓	✓			
-02	PH2-SB03-9-11		9:30	S		✓	✓	✓	✓		✓	✓	✓		
-03	PH2-SB03-3-5		9:45	S		✓	✓	✓	✓		✓	✓			
-04	PH1-SB05-7-9		11:35	S		✓	✓	✓	✓		✓	✓			
-05	PH1-SB05-11-13		12:40	S		✓	✓	✓	✓		✓	✓			
-06	PH2-MW03-101520		15:20	GW		✓	✓	✓	✓	✓	✓	✓			
-07	PH1-MW05-101520	↓	17:00	GW		✓	✓	✓		✓	✓	✓			

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

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

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

Container Type	V	A	A	A	P	A P	A	
Preservative	O B				C			

Relinquished By:	Date/Time	Received By:	Date/Time
Andrew Nesci/Langan	10/15/20 15:20	[illegible]	10/15/20 15:20
[illegible]	10/15/20 18:13	[illegible]	10/15/20 2000
[illegible]	10/16/20 0045	[illegible]	10/16/20 00:05

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

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

ANALYTICAL REPORT

Lab Number:	L2044727
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE45
Project Number:	170635401
Report Date:	11/18/20

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: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2044727-01	PH1_SB04_0-2	SOIL	691 LENOX AVE., HARLEM, NY	10/16/20 09:40	10/16/20
L2044727-02	PH1_SB04_7-9	SOIL	691 LENOX AVE., HARLEM, NY	10/16/20 09:45	10/16/20
L2044727-03	PH1_SB03_7-9	SOIL	691 LENOX AVE., HARLEM, NY	10/16/20 12:10	10/16/20
L2044727-04	PH1_SB03_11-13	SOIL	691 LENOX AVE., HARLEM, NY	10/16/20 12:15	10/16/20
L2044727-05	PH1_MW03_101620	WATER	691 LENOX AVE., HARLEM, NY	10/16/20 14:05	10/16/20

Project Name:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

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:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

Case Narrative (continued)

Report Submission

November 18, 2020: This final report includes the results of all requested analyses.

November 06, 2020: This preliminary report includes the results of the TCLP Metals analysis performed on L2044727-01 through -04.

October 22, 2020: This is a preliminary report.

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

Semivolatile Organics

L2044727-01: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (5%) and 2,4,6-tribromophenol (0%); however, re-extraction achieved similar results: 2-fluorophenol (13%) and 2,4,6-tribromophenol (1%). The results of both extractions are reported.

Total Metals

L2044727-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

The WG1424173-3 MS recoveries for calcium (150%) and sodium (0%), performed on L2044727-05, do not apply because the sample concentrations are greater than four times the spike amounts added.

TCLP Metals

The WG1430779-2 LCS recovery, associated with L2044727-01 through -04, is above the acceptance criteria for mercury (124%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 11/18/20

ORGANICS

VOLATILES

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/20 06:51
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

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

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02
Client ID: PH1_SB04_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:45
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/20 07:18
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	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	0.89	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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/21/20 08:39

Analyst: JC

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	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	1.4		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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	15		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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 10/21/20 19:45

Analyst: JC

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	0.19	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	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05
Client ID: PH1_MW03_101620
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 14:05
Date Received: 10/16/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/20/20 09:38
Analyst: JMT

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

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

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	0.96	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/20 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1424356-5					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/20 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1424356-5					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/20 09:13
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1424356-5					
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	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 06:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1424700-5					
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	0.61	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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 06:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1424700-5					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 06:24
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1424700-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1425113-5					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1425113-5					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/20 16:22
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1425113-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	0.24	J	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	0.56	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.35	J	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	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1424356-3 WG1424356-4								
Methylene chloride	93		96		70-130	3		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	99		98		70-130	1		20
Dibromochloromethane	90		96		63-130	6		20
1,1,2-Trichloroethane	92		97		70-130	5		20
Tetrachloroethene	**65**	Q	**66**	Q	70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	92		94		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	82		85		54-136	4		20
1,1,2,2-Tetrachloroethane	92		94		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	98		100		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	84		80		64-130	5		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1424356-3 WG1424356-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	95		97		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	90		95		63-130	5		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		95		70-130	5		20
Dibromomethane	93		99		70-130	6		20
1,2,3-Trichloropropane	87		90		64-130	3		20
Acrylonitrile	72		79		70-130	9		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	82		89		58-148	8		20
Carbon disulfide	97		96		51-130	1		20
2-Butanone	72		98		63-138	**31**	Q	20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	74		81		59-130	9		20
2-Hexanone	72		80		57-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1424356-3 WG1424356-4								
Bromochloromethane	96		100		70-130	4		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	92		97		70-130	5		20
1,3-Dichloropropane	93		97		70-130	4		20
1,1,1,2-Tetrachloroethane	97		100		64-130	3		20
Bromobenzene	99		98		70-130	1		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	95		95		70-130	0		20
o-Chlorotoluene	100		99		70-130	1		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	75		84		41-144	11		20
Hexachlorobutadiene	92		93		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	84		88		70-130	5		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	91		92		70-130	1		20
1,2,4-Trichlorobenzene	93		93		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	86		94		56-162	9		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1424356-3 WG1424356-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		20
Ethyl ether	88		94		59-134	7		20
trans-1,4-Dichloro-2-butene	76		84		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	98		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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: WG1424700-3 WG1424700-4								
Methylene chloride	93		93		70-130	0		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	102		99		70-130	3		30
Carbon tetrachloride	105		102		70-130	3		30
1,2-Dichloropropane	100		99		70-130	1		30
Dibromochloromethane	94		92		70-130	2		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	106		105		70-130	1		30
Chlorobenzene	104		103		70-130	1		30
Trichlorofluoromethane	111		107		70-139	4		30
1,2-Dichloroethane	106		104		70-130	2		30
1,1,1-Trichloroethane	109		105		70-130	4		30
Bromodichloromethane	112		108		70-130	4		30
trans-1,3-Dichloropropene	107		108		70-130	1		30
cis-1,3-Dichloropropene	111		108		70-130	3		30
1,1-Dichloropropene	106		103		70-130	3		30
Bromoform	90		88		70-130	2		30
1,1,2,2-Tetrachloroethane	103		104		70-130	1		30
Benzene	101		100		70-130	1		30
Toluene	100		98		70-130	2		30
Ethylbenzene	102		100		70-130	2		30
Chloromethane	86		88		52-130	2		30
Bromomethane	108		100		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

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: WG1424700-3 WG1424700-4								
Vinyl chloride	103		101		67-130	2		30
Chloroethane	127		118		50-151	7		30
1,1-Dichloroethene	98		96		65-135	2		30
trans-1,2-Dichloroethene	103		100		70-130	3		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	105		104		70-130	1		30
1,3-Dichlorobenzene	106		106		70-130	0		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	101		100		66-130	1		30
p/m-Xylene	106		103		70-130	3		30
o-Xylene	105		102		70-130	3		30
cis-1,2-Dichloroethene	103		100		70-130	3		30
Dibromomethane	106		103		70-130	3		30
Styrene	111		107		70-130	4		30
Dichlorodifluoromethane	98		97		30-146	1		30
Acetone	88		86		54-140	2		30
Carbon disulfide	94		91		59-130	3		30
2-Butanone	91		87		70-130	4		30
Vinyl acetate	98		96		70-130	2		30
4-Methyl-2-pentanone	101		99		70-130	2		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	99		100		70-130	1		30
Bromochloromethane	105		102		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

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: WG1424700-3 WG1424700-4								
2,2-Dichloropropane	107		103		70-130	4		30
1,2-Dibromoethane	106		105		70-130	1		30
1,3-Dichloropropane	101		101		69-130	0		30
1,1,1,2-Tetrachloroethane	109		108		70-130	1		30
Bromobenzene	101		100		70-130	1		30
n-Butylbenzene	105		104		70-130	1		30
sec-Butylbenzene	104		102		70-130	2		30
tert-Butylbenzene	103		103		70-130	0		30
o-Chlorotoluene	102		101		70-130	1		30
p-Chlorotoluene	104		103		70-130	1		30
1,2-Dibromo-3-chloropropane	94		94		68-130	0		30
Hexachlorobutadiene	100		97		67-130	3		30
Isopropylbenzene	102		101		70-130	1		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	100		101		70-130	1		30
Acrylonitrile	96		95		70-130	1		30
n-Propylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	99		99		70-130	0		30
1,2,4-Trichlorobenzene	104		104		70-130	0		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	106		105		70-130	1		30
1,4-Dioxane	120		114		65-136	5		30
p-Diethylbenzene	108		106		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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: WG1424700-3 WG1424700-4								
p-Ethyltoluene	105		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	105		102		70-130	3		30
Ethyl ether	98		99		67-130	1		30
trans-1,4-Dichloro-2-butene	112		109		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		106		70-130
Toluene-d8	97		100		70-130
4-Bromofluorobenzene	99		102		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1425113-3 WG1425113-4								
Methylene chloride	95		98		70-130	3		30
1,1-Dichloroethane	104		106		70-130	2		30
Chloroform	106		107		70-130	1		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	103		104		70-130	1		30
Dibromochloromethane	109		109		70-130	0		30
1,1,2-Trichloroethane	105		105		70-130	0		30
Tetrachloroethene	108		106		70-130	2		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	98		98		70-139	0		30
1,2-Dichloroethane	101		104		70-130	3		30
1,1,1-Trichloroethane	105		107		70-130	2		30
Bromodichloromethane	104		108		70-130	4		30
trans-1,3-Dichloropropene	106		106		70-130	0		30
cis-1,3-Dichloropropene	106		109		70-130	3		30
1,1-Dichloropropene	105		104		70-130	1		30
Bromoform	106		108		70-130	2		30
1,1,2,2-Tetrachloroethane	104		109		70-130	5		30
Benzene	106		107		70-130	1		30
Toluene	108		106		70-130	2		30
Ethylbenzene	108		106		70-130	2		30
Chloromethane	92		93		52-130	1		30
Bromomethane	107		103		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1425113-3 WG1425113-4								
Vinyl chloride	100		100		67-130	0		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	100		102		65-135	2		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	109		108		70-130	1		30
1,2-Dichlorobenzene	103		106		70-130	3		30
1,3-Dichlorobenzene	105		110		70-130	5		30
1,4-Dichlorobenzene	104		108		70-130	4		30
Methyl tert butyl ether	98		102		66-130	4		30
p/m-Xylene	109		109		70-130	0		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	103		104		70-130	1		30
Dibromomethane	104		104		70-130	0		30
Styrene	109		110		70-130	1		30
Dichlorodifluoromethane	88		88		30-146	0		30
Acetone	90		98		54-140	9		30
Carbon disulfide	96		96		59-130	0		30
2-Butanone	91		98		70-130	7		30
Vinyl acetate	99		102		70-130	3		30
4-Methyl-2-pentanone	99		100		70-130	1		30
1,2,3-Trichloropropane	102		107		68-130	5		30
2-Hexanone	98		99		70-130	1		30
Bromochloromethane	102		105		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1425113-3 WG1425113-4								
2,2-Dichloropropane	109		108		70-130	1		30
1,2-Dibromoethane	105		106		70-130	1		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	110		110		70-130	0		30
Bromobenzene	103		105		70-130	2		30
n-Butylbenzene	104		107		70-130	3		30
sec-Butylbenzene	104		106		70-130	2		30
tert-Butylbenzene	104		105		70-130	1		30
o-Chlorotoluene	106		108		70-130	2		30
p-Chlorotoluene	107		109		70-130	2		30
1,2-Dibromo-3-chloropropane	103		108		68-130	5		30
Hexachlorobutadiene	94		102		67-130	8		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	106		107		70-130	1		30
Naphthalene	100		109		70-130	9		30
Acrylonitrile	93		96		70-130	3		30
n-Propylbenzene	107		108		70-130	1		30
1,2,3-Trichlorobenzene	97		106		70-130	9		30
1,2,4-Trichlorobenzene	104		110		70-130	6		30
1,3,5-Trimethylbenzene	105		107		70-130	2		30
1,2,4-Trimethylbenzene	106		108		70-130	2		30
1,4-Dioxane	118		120		65-136	2		30
p-Diethylbenzene	106		108		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1425113-3 WG1425113-4								
p-Ethyltoluene	107		110		70-130	3		30
1,2,4,5-Tetramethylbenzene	103		108		70-130	5		30
Ethyl ether	98		101		67-130	3		30
trans-1,4-Dichloro-2-butene	103		107		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	95		97		70-130

SEMIVOLATILES

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/19/20 18:47
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

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	84	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	220		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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	50	J	ug/kg	110	20.	1
Benzo(a)pyrene	45	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	70	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	92	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	42	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	160		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	37	J	ug/kg	140	25.	1
Pyrene	78	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	180	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	180		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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	**5**	Q	25-120
Phenol-d6	29		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	45		30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	45		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 RE
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/22/20 04:12
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/21/20 14:05

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	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	84	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	150	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	74	J	ug/kg	180	61.	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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 RE
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
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	60	J	ug/kg	110	20.	1
Benzo(a)pyrene	67	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	98	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	84	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	69	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	110		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	52	J	ug/kg	140	25.	1
Pyrene	80	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	140	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	140	J	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	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 RE
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**13**	Q	25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	**1**	Q	10-136
4-Terphenyl-d14	85		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02
Client ID: PH1_SB04_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:45
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/19/20 19:11
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	79	J	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	1000		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	22	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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	480		ug/kg	110	21.	1
Benzo(a)pyrene	460		ug/kg	150	45.	1
Benzo(b)fluoranthene	540		ug/kg	110	31.	1
Benzo(k)fluoranthene	180		ug/kg	110	30.	1
Chrysene	430		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	210		ug/kg	110	36.	1
Benzo(ghi)perylene	270		ug/kg	150	22.	1
Fluorene	52	J	ug/kg	180	18.	1
Phenanthrene	850		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	64	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	150	26.	1
Pyrene	950		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	30	J	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	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	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	56	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	60		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03
Client ID: PH1_SB03_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:10
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/22/20 00:41
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/21/20 17:34

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	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	33.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	49.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	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	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	91		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04
Client ID: PH1_SB03_11-13
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:15
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/22/20 01:04
Analyst: WR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	100	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	50	J	ug/kg	120	23.	1
Benzo(a)pyrene	54	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	64	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	42	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	32	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	54	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	160	28.	1
Pyrene	98	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	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	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	56		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05
Client ID: PH1_MW03_101620
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 14:05
Date Received: 10/16/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 10/19/20 18:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/18/20 16:22

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

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	100		41-149

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05
Client ID: PH1_MW03_101620
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 14:05
Date Received: 10/16/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/20/20 18:24
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/18/20 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.89		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.53		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.69		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.71		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.27		ug/l	0.10	0.01	1
Chrysene	0.52		ug/l	0.10	0.01	1
Acenaphthylene	0.08	J	ug/l	0.10	0.01	1
Anthracene	0.08	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.52		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.19		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.10	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.54		ug/l	0.10	0.01	1
Pyrene	0.91		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	96		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	91		41-149

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 06:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/17/20 19:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423362-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 06:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/17/20 19:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423362-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 06:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 10/17/20 19:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1423362-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	31		10-120
4-Terphenyl-d14	72		41-149

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/20/20 13:54
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/17/20 19:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1423363-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/20/20 13:54
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/17/20 19:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1423363-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	26		10-120
4-Terphenyl-d14	105		41-149

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 11:10
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1423466-1					
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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 11:10
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1423466-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/19/20 11:10
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1423466-1					
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	59		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	55		18-120

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/21/20 23:30
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/21/20 14:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1424726-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	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: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/21/20 23:30
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/21/20 14:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1424726-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/21/20 23:30
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 10/21/20 14:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1424726-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423362-2 WG1423362-3								
Acenaphthene	61		63		37-111	3		30
1,2,4-Trichlorobenzene	49		55		39-98	12		30
Hexachlorobenzene	56		55		40-140	2		30
Bis(2-chloroethyl)ether	55		63		40-140	14		30
2-Chloronaphthalene	56		59		40-140	5		30
1,2-Dichlorobenzene	51		57		40-140	11		30
1,3-Dichlorobenzene	49		57		40-140	15		30
1,4-Dichlorobenzene	50		58		36-97	15		30
3,3'-Dichlorobenzidine	66		60		40-140	10		30
2,4-Dinitrotoluene	68		67		48-143	1		30
2,6-Dinitrotoluene	63		64		40-140	2		30
Fluoranthene	71		65		40-140	9		30
4-Chlorophenyl phenyl ether	56		58		40-140	4		30
4-Bromophenyl phenyl ether	60		58		40-140	3		30
Bis(2-chloroisopropyl)ether	60		66		40-140	10		30
Bis(2-chloroethoxy)methane	56		62		40-140	10		30
Hexachlorobutadiene	50		55		40-140	10		30
Hexachlorocyclopentadiene	49		50		40-140	2		30
Hexachloroethane	48		57		40-140	17		30
Isophorone	59		61		40-140	3		30
Naphthalene	56		62		40-140	10		30
Nitrobenzene	62		71		40-140	14		30
NDPA/DPA	61		60		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423362-2 WG1423362-3								
n-Nitrosodi-n-propylamine	60		65		29-132	8		30
Bis(2-ethylhexyl)phthalate	84		68		40-140	21		30
Butyl benzyl phthalate	77		68		40-140	12		30
Di-n-butylphthalate	70		62		40-140	12		30
Di-n-octylphthalate	83		71		40-140	16		30
Diethyl phthalate	62		59		40-140	5		30
Dimethyl phthalate	60		59		40-140	2		30
Benzo(a)anthracene	83		72		40-140	14		30
Benzo(a)pyrene	87		76		40-140	13		30
Benzo(b)fluoranthene	92		79		40-140	15		30
Benzo(k)fluoranthene	81		72		40-140	12		30
Chrysene	76		68		40-140	11		30
Acenaphthylene	61		64		45-123	5		30
Anthracene	73		70		40-140	4		30
Benzo(ghi)perylene	91		81		40-140	12		30
Fluorene	62		62		40-140	0		30
Phenanthrene	72		68		40-140	6		30
Dibenzo(a,h)anthracene	87		78		40-140	11		30
Indeno(1,2,3-cd)pyrene	91		80		40-140	13		30
Pyrene	68		63		26-127	8		30
Biphenyl	59		61		40-140	3		30
4-Chloroaniline	48		50		40-140	4		30
2-Nitroaniline	73		69		52-143	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423362-2 WG1423362-3								
3-Nitroaniline	55		55		25-145	0		30
4-Nitroaniline	62		60		51-143	3		30
Dibenzofuran	60		61		40-140	2		30
2-Methylnaphthalene	58		61		40-140	5		30
1,2,4,5-Tetrachlorobenzene	56		58		2-134	4		30
Acetophenone	53		59		39-129	11		30
2,4,6-Trichlorophenol	66		66		30-130	0		30
p-Chloro-m-cresol	67		68		23-97	1		30
2-Chlorophenol	58		64		27-123	10		30
2,4-Dichlorophenol	62		65		30-130	5		30
2,4-Dimethylphenol	35		36		30-130	3		30
2-Nitrophenol	79		86		30-130	8		30
4-Nitrophenol	56		53		10-80	6		30
2,4-Dinitrophenol	92		85		20-130	8		30
4,6-Dinitro-o-cresol	84		79		20-164	6		30
Pentachlorophenol	61		57		9-103	7		30
Phenol	42		46		12-110	9		30
2-Methylphenol	51		56		30-130	9		30
3-Methylphenol/4-Methylphenol	58		62		30-130	7		30
2,4,5-Trichlorophenol	64		64		30-130	0		30
Benzoic Acid	70		66		10-164	6		30
Benzyl Alcohol	58		60		26-116	3		30
Carbazole	75		70		55-144	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1423362-2 WG1423362-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		58		21-120
Phenol-d6	43		46		10-120
Nitrobenzene-d5	71		80		23-120
2-Fluorobiphenyl	65		67		15-120
2,4,6-Tribromophenol	72		67		10-120
4-Terphenyl-d14	74		66		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1423363-2 WG1423363-3								
Acenaphthene	58		53		40-140	9		40
2-Chloronaphthalene	59		54		40-140	9		40
Fluoranthene	73		67		40-140	9		40
Hexachlorobutadiene	47		41		40-140	14		40
Naphthalene	55		49		40-140	12		40
Benzo(a)anthracene	74		63		40-140	16		40
Benzo(a)pyrene	79		69		40-140	14		40
Benzo(b)fluoranthene	76		66		40-140	14		40
Benzo(k)fluoranthene	79		69		40-140	14		40
Chrysene	75		65		40-140	14		40
Acenaphthylene	64		56		40-140	13		40
Anthracene	70		65		40-140	7		40
Benzo(ghi)perylene	76		66		40-140	14		40
Fluorene	64		56		40-140	13		40
Phenanthrene	65		56		40-140	15		40
Dibenzo(a,h)anthracene	82		71		40-140	14		40
Indeno(1,2,3-cd)pyrene	78		68		40-140	14		40
Pyrene	72		63		40-140	13		40
2-Methylnaphthalene	59		54		40-140	9		40
Pentachlorophenol	117		95		40-140	21		40
Hexachlorobenzene	50		47		40-140	6		40
Hexachloroethane	46		44		40-140	4		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05 Batch: WG1423363-2 WG1423363-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		35		21-120
Phenol-d6	37		30		10-120
Nitrobenzene-d5	62		59		23-120
2-Fluorobiphenyl	63		59		15-120
2,4,6-Tribromophenol	50		44		10-120
4-Terphenyl-d14	82		76		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423466-2 WG1423466-3								
Acenaphthene	72		76		31-137	5		50
1,2,4-Trichlorobenzene	62		68		38-107	9		50
Hexachlorobenzene	66		68		40-140	3		50
Bis(2-chloroethyl)ether	57		64		40-140	12		50
2-Chloronaphthalene	65		72		40-140	10		50
1,2-Dichlorobenzene	58		66		40-140	13		50
1,3-Dichlorobenzene	56		64		40-140	13		50
1,4-Dichlorobenzene	56		66		28-104	16		50
3,3'-Dichlorobenzidine	65		60		40-140	8		50
2,4-Dinitrotoluene	74		76		40-132	3		50
2,6-Dinitrotoluene	73		79		40-140	8		50
Fluoranthene	70		74		40-140	6		50
4-Chlorophenyl phenyl ether	66		71		40-140	7		50
4-Bromophenyl phenyl ether	66		70		40-140	6		50
Bis(2-chloroisopropyl)ether	46		50		40-140	8		50
Bis(2-chloroethoxy)methane	62		68		40-117	9		50
Hexachlorobutadiene	54		62		40-140	14		50
Hexachlorocyclopentadiene	56		63		40-140	12		50
Hexachloroethane	56		61		40-140	9		50
Isophorone	63		68		40-140	8		50
Naphthalene	60		67		40-140	11		50
Nitrobenzene	59		65		40-140	10		50
NDPA/DPA	70		73		36-157	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423466-2 WG1423466-3								
n-Nitrosodi-n-propylamine	60		65		32-121	8		50
Bis(2-ethylhexyl)phthalate	80		84		40-140	5		50
Butyl benzyl phthalate	76		80		40-140	5		50
Di-n-butylphthalate	76		79		40-140	4		50
Di-n-octylphthalate	79		84		40-140	6		50
Diethyl phthalate	70		72		40-140	3		50
Dimethyl phthalate	70		76		40-140	8		50
Benzo(a)anthracene	74		79		40-140	7		50
Benzo(a)pyrene	78		82		40-140	5		50
Benzo(b)fluoranthene	79		84		40-140	6		50
Benzo(k)fluoranthene	75		80		40-140	6		50
Chrysene	73		77		40-140	5		50
Acenaphthylene	73		79		40-140	8		50
Anthracene	75		78		40-140	4		50
Benzo(ghi)perylene	80		86		40-140	7		50
Fluorene	69		73		40-140	6		50
Phenanthrene	72		76		40-140	5		50
Dibenzo(a,h)anthracene	79		85		40-140	7		50
Indeno(1,2,3-cd)pyrene	82		86		40-140	5		50
Pyrene	71		75		35-142	5		50
Biphenyl	71		78		37-127	9		50
4-Chloroaniline	58		54		40-140	7		50
2-Nitroaniline	77		84		47-134	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423466-2 WG1423466-3								
3-Nitroaniline	72		64		26-129	12		50
4-Nitroaniline	77		79		41-125	3		50
Dibenzofuran	69		72		40-140	4		50
2-Methylnaphthalene	67		74		40-140	10		50
1,2,4,5-Tetrachlorobenzene	62		69		40-117	11		50
Acetophenone	66		72		14-144	9		50
2,4,6-Trichlorophenol	66		75		30-130	13		50
p-Chloro-m-cresol	71		78		26-103	9		50
2-Chlorophenol	66		72		25-102	9		50
2,4-Dichlorophenol	75		81		30-130	8		50
2,4-Dimethylphenol	76		83		30-130	9		50
2-Nitrophenol	67		74		30-130	10		50
4-Nitrophenol	67		71		11-114	6		50
2,4-Dinitrophenol	66		70		4-130	6		50
4,6-Dinitro-o-cresol	67		69		10-130	3		50
Pentachlorophenol	66		72		17-109	9		50
Phenol	65		70		26-90	7		50
2-Methylphenol	68		75		30-130.	10		50
3-Methylphenol/4-Methylphenol	70		76		30-130	8		50
2,4,5-Trichlorophenol	70		76		30-130	8		50
Benzoic Acid	59		64		10-110	8		50
Benzyl Alcohol	68		75		40-140	10		50
Carbazole	77		81		54-128	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1423466-2 WG1423466-3								
1,4-Dioxane	**36**	Q	**39**	Q	40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		65		25-120
Phenol-d6	61		65		10-120
Nitrobenzene-d5	56		60		23-120
2-Fluorobiphenyl	61		66		30-120
2,4,6-Tribromophenol	63		66		10-136
4-Terphenyl-d14	63		67		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

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: WG1424726-2 WG1424726-3								
Acenaphthene	75		90		31-137	18		50
1,2,4-Trichlorobenzene	76		93		38-107	20		50
Hexachlorobenzene	78		94		40-140	19		50
Bis(2-chloroethyl)ether	68		81		40-140	17		50
2-Chloronaphthalene	79		96		40-140	19		50
1,2-Dichlorobenzene	69		84		40-140	20		50
1,3-Dichlorobenzene	72		84		40-140	15		50
1,4-Dichlorobenzene	67		80		28-104	18		50
3,3'-Dichlorobenzidine	72		89		40-140	21		50
2,4-Dinitrotoluene	88		110		40-132	22		50
2,6-Dinitrotoluene	91		109		40-140	18		50
Fluoranthene	81		99		40-140	20		50
4-Chlorophenyl phenyl ether	78		94		40-140	19		50
4-Bromophenyl phenyl ether	82		97		40-140	17		50
Bis(2-chloroisopropyl)ether	68		82		40-140	19		50
Bis(2-chloroethoxy)methane	80		95		40-117	17		50
Hexachlorobutadiene	73		88		40-140	19		50
Hexachlorocyclopentadiene	51		65		40-140	24		50
Hexachloroethane	66		76		40-140	14		50
Isophorone	76		93		40-140	20		50
Naphthalene	72		88		40-140	20		50
Nitrobenzene	81		100		40-140	21		50
NDPA/DPA	78		99		36-157	24		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

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: WG1424726-2 WG1424726-3								
n-Nitrosodi-n-propylamine	86		101		32-121	16		50
Bis(2-ethylhexyl)phthalate	88		106		40-140	19		50
Butyl benzyl phthalate	90		111		40-140	21		50
Di-n-butylphthalate	86		108		40-140	23		50
Di-n-octylphthalate	88		106		40-140	19		50
Diethyl phthalate	81		99		40-140	20		50
Dimethyl phthalate	86		101		40-140	16		50
Benzo(a)anthracene	78		94		40-140	19		50
Benzo(a)pyrene	88		105		40-140	18		50
Benzo(b)fluoranthene	93		109		40-140	16		50
Benzo(k)fluoranthene	74		90		40-140	20		50
Chrysene	73		88		40-140	19		50
Acenaphthylene	81		99		40-140	20		50
Anthracene	76		94		40-140	21		50
Benzo(ghi)perylene	82		100		40-140	20		50
Fluorene	79		96		40-140	19		50
Phenanthrene	79		98		40-140	21		50
Dibenzo(a,h)anthracene	80		98		40-140	20		50
Indeno(1,2,3-cd)pyrene	89		109		40-140	20		50
Pyrene	80		98		35-142	20		50
Biphenyl	87		104		37-127	18		50
4-Chloroaniline	73		86		40-140	16		50
2-Nitroaniline	88		111		47-134	23		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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: WG1424726-2 WG1424726-3								
3-Nitroaniline	78		97		26-129	22		50
4-Nitroaniline	78		93		41-125	18		50
Dibenzofuran	79		95		40-140	18		50
2-Methylnaphthalene	81		97		40-140	18		50
1,2,4,5-Tetrachlorobenzene	84		102		40-117	19		50
Acetophenone	96		115		14-144	18		50
2,4,6-Trichlorophenol	94		113		30-130	18		50
p-Chloro-m-cresol	92		**111**	Q	26-103	19		50
2-Chlorophenol	83		97		25-102	16		50
2,4-Dichlorophenol	91		114		30-130	22		50
2,4-Dimethylphenol	89		105		30-130	16		50
2-Nitrophenol	85		105		30-130	21		50
4-Nitrophenol	97		**116**	Q	11-114	18		50
2,4-Dinitrophenol	70		89		4-130	24		50
4,6-Dinitro-o-cresol	78		99		10-130	24		50
Pentachlorophenol	73		95		17-109	26		50
Phenol	80		**98**	Q	26-90	20		50
2-Methylphenol	84		100		30-130.	17		50
3-Methylphenol/4-Methylphenol	84		103		30-130	20		50
2,4,5-Trichlorophenol	82		102		30-130	22		50
Benzoic Acid	74		90		10-110	20		50
Benzyl Alcohol	90		113		40-140	23		50
Carbazole	80		101		54-128	23		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

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: WG1424726-2 WG1424726-3								
1,4-Dioxane	52		58		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		93		25-120
Phenol-d6	79		95		10-120
Nitrobenzene-d5	79		98		23-120
2-Fluorobiphenyl	77		92		30-120
2,4,6-Tribromophenol	85		102		10-136
4-Terphenyl-d14	75		93		18-120

PCBS

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/19/20 15:07
Analyst: CW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.59	1	A
Aroclor 1232	ND		ug/kg	35.8	7.59	1	A
Aroclor 1242	ND		ug/kg	35.8	4.83	1	A
Aroclor 1248	ND		ug/kg	35.8	5.37	1	A
Aroclor 1254	ND		ug/kg	35.8	3.92	1	A
Aroclor 1260	ND		ug/kg	35.8	6.62	1	A
Aroclor 1262	ND		ug/kg	35.8	4.55	1	A
Aroclor 1268	ND		ug/kg	35.8	3.71	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02
Client ID: PH1_SB04_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:45
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/19/20 23:07
Analyst: CW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/19/20 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.57	1	A
Aroclor 1232	ND		ug/kg	35.7	7.56	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.35	1	A
Aroclor 1254	ND		ug/kg	35.7	3.90	1	A
Aroclor 1260	ND		ug/kg	35.7	6.59	1	A
Aroclor 1262	ND		ug/kg	35.7	4.53	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	ND		ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03
Client ID: PH1_SB03_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:10
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/19/20 15:21
Analyst: CW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.35	1	A
Aroclor 1254	10.2	J	ug/kg	35.7	3.90	1	A
Aroclor 1260	ND		ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.53	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	B
PCBs, Total	10.2	J	ug/kg	35.7	3.17	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04
Client ID: PH1_SB03_11-13
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:15
Date Received: 10/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/19/20 15:28
Analyst: CW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/18/20 20:00
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.8	3.53	1	A
Aroclor 1221	ND		ug/kg	39.8	3.99	1	A
Aroclor 1232	ND		ug/kg	39.8	8.44	1	A
Aroclor 1242	ND		ug/kg	39.8	5.36	1	A
Aroclor 1248	ND		ug/kg	39.8	5.97	1	A
Aroclor 1254	ND		ug/kg	39.8	4.35	1	A
Aroclor 1260	ND		ug/kg	39.8	7.35	1	A
Aroclor 1262	ND		ug/kg	39.8	5.05	1	A
Aroclor 1268	ND		ug/kg	39.8	4.12	1	A
PCBs, Total	ND		ug/kg	39.8	3.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05
Client ID: PH1_MW03_101620
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 14:05
Date Received: 10/16/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/19/20 11:16
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/18/20 23:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/19/20 17:27
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/18/20 19:59
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-04 Batch: WG1423469-1						
Aroclor 1016	ND		ug/kg	31.3	2.78	A
Aroclor 1221	ND		ug/kg	31.3	3.14	A
Aroclor 1232	ND		ug/kg	31.3	6.64	A
Aroclor 1242	ND		ug/kg	31.3	4.22	A
Aroclor 1248	ND		ug/kg	31.3	4.70	A
Aroclor 1254	ND		ug/kg	31.3	3.43	A
Aroclor 1260	ND		ug/kg	31.3	5.79	A
Aroclor 1262	ND		ug/kg	31.3	3.98	A
Aroclor 1268	ND		ug/kg	31.3	3.24	A
PCBs, Total	ND		ug/kg	31.3	2.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/19/20 09:46
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 10/18/20 23:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1423476-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/20/20 00:16
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 10/19/20 12:27
Cleanup Method: EPA 3665A
Cleanup Date: 10/19/20
Cleanup Method: EPA 3660B
Cleanup Date: 10/19/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1423685-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.30	A
Aroclor 1232	ND		ug/kg	32.9	6.98	A
Aroclor 1242	ND		ug/kg	32.9	4.44	A
Aroclor 1248	ND		ug/kg	32.9	4.94	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.09	A
Aroclor 1262	ND		ug/kg	32.9	4.18	A
Aroclor 1268	ND		ug/kg	32.9	3.41	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1423469-2 WG1423469-3									
Aroclor 1016	90		82		40-140	9		50	A
Aroclor 1260	78		73		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		69		30-150	A
Decachlorobiphenyl	82		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		69		30-150	B
Decachlorobiphenyl	67		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1423476-2 WG1423476-3									
Aroclor 1016	66		69		40-140	5		50	A
Aroclor 1260	55		57		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		63		30-150	A
Decachlorobiphenyl	41		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		64		30-150	B
Decachlorobiphenyl	51		57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1423685-2 WG1423685-3									
Aroclor 1016	84		92		40-140	9		50	A
Aroclor 1260	72		80		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		71		30-150	A
Decachlorobiphenyl	70		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		73		30-150	B
Decachlorobiphenyl	59		65		30-150	B

METALS

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Barium, TCLP	0.400	J	mg/l	0.500	0.021	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Cadmium, TCLP	0.021	J	mg/l	0.100	0.010	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Chromium, TCLP	0.042	J	mg/l	0.200	0.021	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Lead, TCLP	1.14		mg/l	0.500	0.027	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:13	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/20 08:18	11/06/20 10:09	EPA 3015	1,6010D	GD

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01 Date Collected: 10/16/20 09:40

Client ID: PH1_SB04_0-2 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5140		mg/kg	8.52	2.30	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.26	0.324	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Arsenic, Total	5.76		mg/kg	0.852	0.177	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Barium, Total	168		mg/kg	0.852	0.148	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Beryllium, Total	0.281	J	mg/kg	0.426	0.028	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Cadmium, Total	0.400	J	mg/kg	0.852	0.083	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Calcium, Total	57600		mg/kg	85.2	29.8	20	10/20/20 21:37	10/22/20 00:20	EPA 3050B	1,6010D	BV
Chromium, Total	11.5		mg/kg	0.852	0.082	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Cobalt, Total	4.30		mg/kg	1.70	0.141	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Copper, Total	828		mg/kg	0.852	0.220	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Iron, Total	11500		mg/kg	4.26	0.769	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Lead, Total	218		mg/kg	4.26	0.228	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Magnesium, Total	3660		mg/kg	8.52	1.31	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Manganese, Total	165		mg/kg	0.852	0.135	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Mercury, Total	0.250		mg/kg	0.078	0.051	1	10/20/20 22:11	10/21/20 12:51	EPA 7471B	1,7471B	EW
Nickel, Total	10.7		mg/kg	2.13	0.206	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Potassium, Total	1690		mg/kg	213	12.3	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Selenium, Total	0.366	J	mg/kg	1.70	0.220	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.852	0.241	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Sodium, Total	614		mg/kg	170	2.68	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.70	0.268	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Vanadium, Total	16.2		mg/kg	0.852	0.173	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
Zinc, Total	272		mg/kg	4.26	0.250	2	10/20/20 21:37	10/21/20 21:25	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.87	0.87	1		10/22/20 14:00	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.021	J	mg/l	1.00	0.019	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Barium, TCLP	0.338	J	mg/l	0.500	0.021	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Lead, TCLP	0.033	J	mg/l	0.500	0.027	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:15	EPA 7470A	1,7470A	AL
Selenium, TCLP	0.045	J	mg/l	0.500	0.035	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 11:36	11/05/20 16:39	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02 Date Collected: 10/16/20 09:45

Client ID: PH1_SB04_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	7470		mg/kg	8.62	2.33	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.31	0.328	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Arsenic, Total	5.84		mg/kg	0.862	0.179	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Barium, Total	178		mg/kg	0.862	0.150	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Beryllium, Total	0.284	J	mg/kg	0.431	0.028	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.862	0.085	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Calcium, Total	40600		mg/kg	8.62	3.02	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Chromium, Total	19.4		mg/kg	0.862	0.083	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Cobalt, Total	7.08		mg/kg	1.72	0.143	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Copper, Total	43.4		mg/kg	0.862	0.222	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Iron, Total	13500		mg/kg	4.31	0.778	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Lead, Total	228		mg/kg	4.31	0.231	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Magnesium, Total	10500		mg/kg	8.62	1.33	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Manganese, Total	313		mg/kg	0.862	0.137	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Mercury, Total	0.253		mg/kg	0.074	0.048	1	10/20/20 22:11	10/21/20 12:55	EPA 7471B	1,7471B	EW
Nickel, Total	17.5		mg/kg	2.15	0.208	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Potassium, Total	2360		mg/kg	215	12.4	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Selenium, Total	1.18	J	mg/kg	1.72	0.222	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.862	0.244	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Sodium, Total	320		mg/kg	172	2.72	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.72	0.272	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Vanadium, Total	20.8		mg/kg	0.862	0.175	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
Zinc, Total	230		mg/kg	4.31	0.252	2	10/20/20 21:37	10/21/20 21:30	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.89	0.89	1		10/22/20 14:00	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.022	J	mg/l	1.00	0.019	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Barium, TCLP	0.779		mg/l	0.500	0.021	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Cadmium, TCLP	0.011	J	mg/l	0.100	0.010	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Lead, TCLP	0.284	J	mg/l	0.500	0.027	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:18	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 11:36	11/05/20 16:43	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03 Date Collected: 10/16/20 12:10

Client ID: PH1_SB03_7-9 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, 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	8620		mg/kg	8.72	2.36	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Antimony, Total	0.707	J	mg/kg	4.36	0.331	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Arsenic, Total	1.69		mg/kg	0.872	0.181	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Barium, Total	63.6		mg/kg	0.872	0.152	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Beryllium, Total	0.375	J	mg/kg	0.436	0.029	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Cadmium, Total	0.087	J	mg/kg	0.872	0.086	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Calcium, Total	2280		mg/kg	8.72	3.05	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Chromium, Total	13.6		mg/kg	0.872	0.084	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Cobalt, Total	6.51		mg/kg	1.74	0.145	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Copper, Total	51.4		mg/kg	0.872	0.225	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Iron, Total	14200		mg/kg	4.36	0.788	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Lead, Total	209		mg/kg	4.36	0.234	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Magnesium, Total	2510		mg/kg	8.72	1.34	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Manganese, Total	149		mg/kg	0.872	0.139	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Mercury, Total	0.181		mg/kg	0.074	0.048	1	10/20/20 22:11	10/21/20 12:58	EPA 7471B	1,7471B	EW
Nickel, Total	14.2		mg/kg	2.18	0.211	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Potassium, Total	763		mg/kg	218	12.6	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.74	0.225	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.872	0.247	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Sodium, Total	155	J	mg/kg	174	2.75	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Vanadium, Total	17.3		mg/kg	0.872	0.177	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
Zinc, Total	207		mg/kg	4.36	0.256	2	10/20/20 21:37	10/21/20 21:34	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	13	J	mg/kg	0.90	0.90	1		10/22/20 14:00	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/03/20 21:39

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.026	J	mg/l	1.00	0.019	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Barium, TCLP	1.12		mg/l	0.500	0.021	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 17:20	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 11:36	11/05/20 16:48	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04 Date Collected: 10/16/20 12:15

Client ID: PH1_SB03_11-13 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13200		mg/kg	9.79	2.64	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Antimony, Total	8.30		mg/kg	4.90	0.372	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Arsenic, Total	1.23		mg/kg	0.979	0.204	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Barium, Total	396		mg/kg	0.979	0.170	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Beryllium, Total	0.166	J	mg/kg	0.490	0.032	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.979	0.096	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Calcium, Total	22900		mg/kg	9.79	3.43	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Chromium, Total	41.8		mg/kg	0.979	0.094	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Cobalt, Total	11.8		mg/kg	1.96	0.162	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Copper, Total	92.8		mg/kg	0.979	0.253	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Iron, Total	27000		mg/kg	4.90	0.884	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Lead, Total	285		mg/kg	4.90	0.262	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Magnesium, Total	8870		mg/kg	9.79	1.51	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Manganese, Total	269		mg/kg	0.979	0.156	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Mercury, Total	0.175		mg/kg	0.081	0.053	1	10/20/20 22:11	10/21/20 13:01	EPA 7471B	1,7471B	EW
Nickel, Total	22.8		mg/kg	2.45	0.237	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Potassium, Total	8750		mg/kg	245	14.1	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Selenium, Total	0.901	J	mg/kg	1.96	0.253	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.979	0.277	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Sodium, Total	271		mg/kg	196	3.08	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.96	0.308	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Vanadium, Total	62.1		mg/kg	0.979	0.199	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
Zinc, Total	238		mg/kg	4.90	0.287	2	10/20/20 21:37	10/21/20 21:39	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	42		mg/kg	1.0	1.0	1		10/22/20 14:00	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4.13		mg/l	0.0100	0.00327	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Antimony, Total	0.00075	J	mg/l	0.00400	0.00042	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00200		mg/l	0.00050	0.00016	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Barium, Total	0.1693		mg/l	0.00050	0.00017	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00017	J	mg/l	0.00050	0.00010	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00029		mg/l	0.00020	0.00005	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Calcium, Total	108.		mg/l	0.100	0.0394	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Chromium, Total	0.01068		mg/l	0.00100	0.00017	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00436		mg/l	0.00050	0.00016	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Copper, Total	0.03334		mg/l	0.00100	0.00038	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Iron, Total	5.81		mg/l	0.0500	0.0191	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Lead, Total	0.07444		mg/l	0.00100	0.00034	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Magnesium, Total	18.5		mg/l	0.0700	0.0242	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Manganese, Total	0.2803		mg/l	0.00100	0.00044	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Mercury, Total	0.00022		mg/l	0.00020	0.00009	1	10/21/20 13:46	10/21/20 19:14	EPA 7470A	1,7470A	AL
Nickel, Total	0.01077		mg/l	0.00200	0.00055	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Potassium, Total	18.1		mg/l	0.100	0.0309	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Selenium, Total	0.00204	J	mg/l	0.00500	0.00173	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Sodium, Total	207.		mg/l	0.100	0.0293	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Thallium, Total	0.00018	J	mg/l	0.00050	0.00014	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Vanadium, Total	0.01281		mg/l	0.00500	0.00157	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
Zinc, Total	0.08409		mg/l	0.01000	0.00341	1	10/21/20 06:55	10/21/20 13:46	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	0.010		mg/l	0.010	0.010	1		10/21/20 13:46	NA	107,-	

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05 Date Collected: 10/16/20 14:05

Client ID: PH1_MW03_101620 Date Received: 10/16/20

Sample Location: 691 LENOX AVE., HARLEM, NY Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00586	J	mg/l	0.0100	0.00327	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00073	J	mg/l	0.00400	0.00042	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00064		mg/l	0.00050	0.00016	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1278		mg/l	0.00050	0.00017	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Cadmium, Dissolved	0.00014	J	mg/l	0.00020	0.00005	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Calcium, Dissolved	108.		mg/l	0.100	0.0394	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00086	J	mg/l	0.00100	0.00017	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00154		mg/l	0.00050	0.00016	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00525		mg/l	0.00100	0.00038	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0907		mg/l	0.0500	0.0191	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00049	J	mg/l	0.00100	0.00034	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	18.0		mg/l	0.0700	0.0242	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2188		mg/l	0.00100	0.00044	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/21/20 08:58	10/21/20 18:47	EPA 7470A	1,7470A	AL
Nickel, Dissolved	0.00299		mg/l	0.00200	0.00055	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Potassium, Dissolved	17.4		mg/l	0.100	0.0309	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Sodium, Dissolved	215.		mg/l	0.100	0.0293	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01359		mg/l	0.01000	0.00341	1	10/21/20 08:23	10/21/20 12:13	EPA 3005A	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

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): 01-04 Batch: WG1424163-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Iron, Total	ND		mg/kg	2.00	0.361	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Potassium, Total	ND		mg/kg	100	5.76	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/20/20 21:37	10/21/20 20:11	1,6010D	BV

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): 01-04 Batch: WG1424169-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/20/20 22:11	10/21/20 11:55	1,7471B	EW

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05 Batch: WG1424173-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Chromium, Dissolved	0.00063	J	mg/l	0.00100	0.00017	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	10/21/20 08:23	10/21/20 11:48	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 05 Batch: WG1424174-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	10/21/20 08:58	10/21/20 18:42	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1424264-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Chromium, Total	0.00055	J	mg/l	0.00100	0.00017	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	10/21/20 06:55	10/21/20 12:45	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 05 Batch: WG1424702-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/21/20 13:46	10/21/20 19:09	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02-04 Batch: WG1430486-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/05/20 10:51	11/05/20 15:00	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/20 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-04 Batch: WG1430779-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	11/05/20 11:53	11/05/20 16:48	1,7470A	AL

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/02/20 05:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1431193-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Lead, TCLP	0.049	J	mg/l	0.500	0.027	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/20 08:18	11/06/20 10:00	1,6010D	GD

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/20 05:06

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1424163-2 SRM Lot Number: D109-540								
Aluminum, Total	53		-		50-150	-		
Antimony, Total	116		-		19-250	-		
Arsenic, Total	89		-		70-130	-		
Barium, Total	82		-		75-125	-		
Beryllium, Total	89		-		75-125	-		
Cadmium, Total	87		-		75-125	-		
Calcium, Total	78		-		73-128	-		
Chromium, Total	83		-		70-130	-		
Cobalt, Total	88		-		75-125	-		
Copper, Total	82		-		75-125	-		
Iron, Total	70		-		35-165	-		
Lead, Total	85		-		72-128	-		
Magnesium, Total	68		-		62-138	-		
Manganese, Total	84		-		74-126	-		
Nickel, Total	86		-		70-130	-		
Potassium, Total	70		-		59-141	-		
Selenium, Total	87		-		68-132	-		
Silver, Total	85		-		68-131	-		
Sodium, Total	100		-		35-165	-		
Thallium, Total	86		-		68-131	-		
Vanadium, Total	78		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1424163-2 SRM Lot Number: D109-540					
Zinc, Total	85	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1424169-2 SRM Lot Number: D109-540					
Mercury, Total	78	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424173-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	97	-	80-120	-	
Arsenic, Dissolved	107	-	80-120	-	
Barium, Dissolved	101	-	80-120	-	
Beryllium, Dissolved	113	-	80-120	-	
Cadmium, Dissolved	108	-	80-120	-	
Calcium, Dissolved	104	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Cobalt, Dissolved	97	-	80-120	-	
Copper, Dissolved	99	-	80-120	-	
Iron, Dissolved	98	-	80-120	-	
Lead, Dissolved	107	-	80-120	-	
Magnesium, Dissolved	97	-	80-120	-	
Manganese, Dissolved	99	-	80-120	-	
Nickel, Dissolved	91	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	102	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	100	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424173-2					
Zinc, Dissolved	105	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424174-2					
Mercury, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424264-2					
Aluminum, Total	101	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	99	-	80-120	-	
Iron, Total	95	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	101	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	111	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	101	-	80-120	-	
Thallium, Total	99	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424264-2						
Zinc, Total	106		-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1424702-2						
Mercury, Total	106		-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-04 Batch: WG1430486-2						
Arsenic, TCLP	108		-	75-125	-	20
Barium, TCLP	102		-	75-125	-	20
Cadmium, TCLP	104		-	75-125	-	20
Chromium, TCLP	100		-	75-125	-	20
Lead, TCLP	102		-	75-125	-	20
Selenium, TCLP	99		-	75-125	-	20
Silver, TCLP	98		-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1430779-2						
Mercury, TCLP	**124**	Q	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1431193-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	105	-	75-125	-	20
Chromium, TCLP	102	-	75-125	-	20
Lead, TCLP	102	-	75-125	-	20
Selenium, TCLP	103	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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): 01-04 QC Batch ID: WG1424163-3 QC Sample: L2044442-01 Client ID: MS Sample												
Aluminum, Total	7640	182	6100	**0**	Q	-	-		75-125	-		20
Antimony, Total	2.23J	45.5	46.7	102		-	-		75-125	-		20
Arsenic, Total	4.28	10.9	18.0	**126**	Q	-	-		75-125	-		20
Barium, Total	34.3	182	221	102		-	-		75-125	-		20
Beryllium, Total	0.350J	4.55	4.71	103		-	-		75-125	-		20
Cadmium, Total	ND	4.64	3.69	79		-	-		75-125	-		20
Calcium, Total	3340	911	10800	**819**	Q	-	-		75-125	-		20
Chromium, Total	15.8	18.2	36.0	111		-	-		75-125	-		20
Cobalt, Total	5.45	45.5	48.7	95		-	-		75-125	-		20
Copper, Total	45.1	22.8	100	**241**	Q	-	-		75-125	-		20
Iron, Total	25600	91.1	51000	**27900**	Q	-	-		75-125	-		20
Lead, Total	69.9	46.4	205	**291**	Q	-	-		75-125	-		20
Magnesium, Total	1410	911	2360	104		-	-		75-125	-		20
Manganese, Total	204	45.5	435	**507**	Q	-	-		75-125	-		20
Nickel, Total	10.3	45.5	57.1	103		-	-		75-125	-		20
Potassium, Total	221J	911	1100	121		-	-		75-125	-		20
Selenium, Total	0.700J	10.9	10.3	94		-	-		75-125	-		20
Silver, Total	ND	27.3	26.0	95		-	-		75-125	-		20
Sodium, Total	79.2J	911	1020	112		-	-		75-125	-		20
Thallium, Total	ND	10.9	7.87	**72**	Q	-	-		75-125	-		20
Vanadium, Total	21.2	45.5	63.1	92		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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): 01-04 QC Batch ID: WG1424163-3 QC Sample: L2044442-01 Client ID: MS Sample										
Zinc, Total	430	45.5	1370	**2060**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1424169-3 QC Sample: L2044442-01 Client ID: MS Sample										
Mercury, Total	0.621	0.151	0.409	**0**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424173-3 QC Sample: L2044727-05 Client ID: PH1_MW03_101620										
Aluminum, Dissolved	0.00586J	2	2.14	107		-	-	75-125	-	20
Antimony, Dissolved	0.00073J	0.5	0.5018	100		-	-	75-125	-	20
Arsenic, Dissolved	0.00064	0.12	0.1319	109		-	-	75-125	-	20
Barium, Dissolved	0.1278	2	2.199	104		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05379	108		-	-	75-125	-	20
Cadmium, Dissolved	0.00014J	0.051	0.05770	113		-	-	75-125	-	20
Calcium, Dissolved	108.	10	123	**150**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00086J	0.2	0.1995	100		-	-	75-125	-	20
Cobalt, Dissolved	0.00154	0.5	0.5078	101		-	-	75-125	-	20
Copper, Dissolved	0.00525	0.25	0.2639	103		-	-	75-125	-	20
Iron, Dissolved	0.0907	1	1.10	101		-	-	75-125	-	20
Lead, Dissolved	0.00049J	0.51	0.5599	110		-	-	75-125	-	20
Magnesium, Dissolved	18.0	10	28.8	108		-	-	75-125	-	20
Manganese, Dissolved	0.2188	0.5	0.7425	105		-	-	75-125	-	20
Nickel, Dissolved	0.00299	0.5	0.4870	97		-	-	75-125	-	20
Potassium, Dissolved	17.4	10	28.6	112		-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.145	121		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05219	104		-	-	75-125	-	20
Sodium, Dissolved	215.	10	204	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1234	103		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5065	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424173-3 QC Sample: L2044727-05 Client ID: PH1_MW03_101620									
Zinc, Dissolved	0.01359	0.5	0.5518	108	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424174-3 QC Sample: L2044727-05 Client ID: PH1_MW03_101620									
Mercury, Dissolved	ND	0.005	0.00491	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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): 05 QC Batch ID: WG1424264-3 QC Sample: L2045010-01 Client ID: MS Sample										
Aluminum, Total	0.011	2	2.31	115		-	-	75-125	-	20
Antimony, Total	ND	0.5	0.5726	114		-	-	75-125	-	20
Arsenic, Total	0.2309	0.12	0.3706	116		-	-	75-125	-	20
Barium, Total	0.06758	2	2.236	108		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05263	105		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05936	116		-	-	75-125	-	20
Calcium, Total	21.9	10	35.2	**133**	Q	-	-	75-125	-	20
Chromium, Total	0.00095J	0.2	0.2146	107		-	-	75-125	-	20
Cobalt, Total	0.01884	0.5	0.5495	106		-	-	75-125	-	20
Copper, Total	0.00116	0.25	0.2702	108		-	-	75-125	-	20
Iron, Total	162.	1	147	**0**	Q	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5843	114		-	-	75-125	-	20
Magnesium, Total	2.68	10	14.0	113		-	-	75-125	-	20
Manganese, Total	2.347	0.5	2.934	117		-	-	75-125	-	20
Nickel, Total	0.00115J	0.5	0.5071	101		-	-	75-125	-	20
Potassium, Total	4.25	10	16.4	122		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.147	122		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05366	107		-	-	75-125	-	20
Sodium, Total	7.78	10	19.5	117		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1277	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5324	106		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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): 05 QC Batch ID: WG1424264-3 QC Sample: L2045010-01 Client ID: MS Sample									
Zinc, Total	0.00891J	0.5	0.5977	120	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424702-3 QC Sample: L2044727-05 Client ID: PH1_MW03_101620									
Mercury, Total	0.00022	0.005	0.00526	101	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1430486-3 QC Sample: L2047769-02 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.26	105	-	-	75-125	-	20
Barium, TCLP	0.341J	20	21.0	105	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.528	104	-	-	75-125	-	20
Chromium, TCLP	ND	2	2.03	102	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.24	103	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.19	99	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.494	99	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430779-3 QC Sample: L2043841-02 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0295	118	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1431193-3 QC Sample: L2044727-01 Client ID: PH1_SB04_0-2									
Arsenic, TCLP	ND	1.2	1.33	111	-	-	75-125	-	20
Barium, TCLP	0.400J	20	21.1	106	-	-	75-125	-	20
Cadmium, TCLP	0.021J	0.51	0.544	107	-	-	75-125	-	20
Chromium, TCLP	0.042J	2	2.03	102	-	-	75-125	-	20
Lead, TCLP	1.14	5.1	6.17	99	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.25	104	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.502	100	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1424163-4 QC Sample: L2044442-01 Client ID: DUP Sample						
Aluminum, Total	7640	4470	mg/kg	**52**	Q	20
Antimony, Total	2.23J	13.8	mg/kg	NC		20
Arsenic, Total	4.28	10.2	mg/kg	**82**	Q	20
Barium, Total	34.3	48.3	mg/kg	**34**	Q	20
Beryllium, Total	0.350J	0.307J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	3340	9740	mg/kg	**98**	Q	20
Chromium, Total	15.8	19.0	mg/kg	18		20
Cobalt, Total	5.45	7.80	mg/kg	**35**	Q	20
Copper, Total	45.1	82.7	mg/kg	**59**	Q	20
Iron, Total	25600	51400	mg/kg	**67**	Q	20
Lead, Total	69.9	243	mg/kg	**111**	Q	20
Magnesium, Total	1410	1780	mg/kg	**23**	Q	20
Manganese, Total	204	395	mg/kg	**64**	Q	20
Nickel, Total	10.3	18.0	mg/kg	**54**	Q	20
Potassium, Total	221J	224J	mg/kg	NC		20
Selenium, Total	0.700J	0.461J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	79.2J	129J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1424163-4 QC Sample: L2044442-01 Client ID: DUP Sample						
Thallium, Total	ND	0.524J	mg/kg	NC		20
Vanadium, Total	21.2	18.4	mg/kg	14		20
Zinc, Total	430	1890	mg/kg	**126**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1424169-4 QC Sample: L2044442-01 Client ID: DUP Sample						
Mercury, Total	0.621	0.452	mg/kg	**32**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424173-4 QC Sample: L2044727-05 Client ID: PH1_MW03_101620					
Aluminum, Dissolved	0.00586J	0.00529J	mg/l	NC	20
Antimony, Dissolved	0.00073J	0.00103J	mg/l	NC	20
Arsenic, Dissolved	0.00064	0.00061	mg/l	5	20
Barium, Dissolved	0.1278	0.1280	mg/l	0	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00014J	0.00015J	mg/l	NC	20
Calcium, Dissolved	108.	107	mg/l	1	20
Chromium, Dissolved	0.00086J	0.00083J	mg/l	NC	20
Cobalt, Dissolved	0.00154	0.00149	mg/l	3	20
Copper, Dissolved	0.00525	0.00505	mg/l	4	20
Iron, Dissolved	0.0907	0.0946	mg/l	4	20
Lead, Dissolved	0.00049J	0.00050J	mg/l	NC	20
Magnesium, Dissolved	18.0	17.6	mg/l	2	20
Manganese, Dissolved	0.2188	0.2134	mg/l	2	20
Nickel, Dissolved	0.00299	0.00314	mg/l	5	20
Potassium, Dissolved	17.4	17.3	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	215.	211	mg/l	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424173-4 QC Sample: L2044727-05 Client ID: PH1_MW03_101620					
Thallium, Dissolved	ND	0.00030J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.01359	0.01370	mg/l	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424174-4 QC Sample: L2044727-05 Client ID: PH1_MW03_101620					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424264-4 QC Sample: L2045010-01 Client ID: DUP Sample					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.2309	0.2272	mg/l	2	20
Barium, Total	0.06758	0.06821	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	21.9	21.9	mg/l	0	20
Chromium, Total	0.00095J	0.00086J	mg/l	NC	20
Cobalt, Total	0.01884	0.01907	mg/l	1	20
Copper, Total	0.00116	0.00095J	mg/l	NC	20
Iron, Total	162.	158	mg/l	3	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	2.68	2.64	mg/l	2	20
Manganese, Total	2.347	2.344	mg/l	0	20
Nickel, Total	0.00115J	0.00107J	mg/l	NC	20
Potassium, Total	4.25	4.37	mg/l	3	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	7.78	7.74	mg/l	1	20
Thallium, Total	ND	0.00033J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424264-4 QC Sample: L2045010-01 Client ID: DUP Sample					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00891J	0.00916J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1424702-4 QC Sample: L2044727-05 Client ID: PH1_MW03_101620					
Mercury, Total	0.00022	0.00020	mg/l	9	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG1430486-4 QC Sample: L2047769-02 Client ID: DUP Sample					
Arsenic, TCLP	ND	0.054J	mg/l	NC	20
Barium, TCLP	0.341J	0.351J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	0.037J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1430779-4 QC Sample: L2043841-02 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1431193-4 QC Sample: L2044727-01 Client ID: PH1_SB04_0-2					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.400J	0.403J	mg/l	NC	20
Cadmium, TCLP	0.021J	0.021J	mg/l	NC	20
Chromium, TCLP	0.042J	0.039J	mg/l	NC	20
Lead, TCLP	1.14	1.14	mg/l	0	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-01
Client ID: PH1_SB04_0-2
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:40
Date Received: 10/16/20
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	92.1		%	0.100	NA	1	-	10/17/20 11:42	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.869	0.174	1	10/22/20 11:05	10/22/20 14:00	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-02
Client ID: PH1_SB04_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 09:45
Date Received: 10/16/20
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	89.8		%	0.100	NA	1	-	10/17/20 11:42	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.891	0.178	1	10/22/20 11:05	10/22/20 14:00	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-03
Client ID: PH1_SB03_7-9
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:10
Date Received: 10/16/20
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	-	10/17/20 11:42	121,2540G	RI
Chromium, Hexavalent	0.202	J	mg/kg	0.899	0.180	1	10/22/20 11:05	10/22/20 14:00	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-04
Client ID: PH1_SB03_11-13
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 12:15
Date Received: 10/16/20
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	80.4		%	0.100	NA	1	-	10/17/20 11:42	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.995	0.199	1	10/22/20 11:05	10/22/20 14:00	1,7196A	DR

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

SAMPLE RESULTS

Lab ID: L2044727-05
Client ID: PH1_MW03_101620
Sample Location: 691 LENOX AVE., HARLEM, NY

Date Collected: 10/16/20 14:05
Date Received: 10/16/20
Field Prep: Refer to COC

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/17/20 12:00	10/17/20 12:24	1,7196A	JA

Project Name: ONE45 **Lab Number:** L2044727

Project Number: 170635401 **Report Date:** 11/18/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1423267-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/17/20 12:00	10/17/20 12:23	1,7196A	JA
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1425153-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/22/20 11:05	10/22/20 14:00	1,7196A	DR

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2044727

Report Date: 11/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1423267-2								
Chromium, Hexavalent	91		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1425153-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1423267-4 QC Sample: L2044727-05 Client ID: PH1_MW03_101620												
Chromium, Hexavalent	ND	0.1	0.097	97		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1425153-4 QC Sample: L2044727-02 Client ID: PH1_SB04_7-9												
Chromium, Hexavalent	ND	792	891	112		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1423241-1 QC Sample: L2043216-02 Client ID: DUP Sample						
Solids, Total	78.0	78.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1423267-3 QC Sample: L2044727-05 Client ID: PH1_MW03_101620						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1425153-6 QC Sample: L2044727-02 Client ID: PH1_SB04_7-9						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

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(*)
L2044727-01A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2044727-01B	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-01C	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-01D	Bacteria Cup unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2044727-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2044727-01F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-01G	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2044727-01X9	Tumble Vessel	A	NA		4.2	Y	Absent		-
L2044727-02A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2044727-02B	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-02C	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-02D	Bacteria Cup unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2044727-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2044727-02F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-02G	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044727-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.2	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044727-02X9	Tumble Vessel	A	NA		4.2	Y	Absent		-
L2044727-03A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2044727-03B	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-03C	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-03D	Bacteria Cup unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2044727-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2044727-03F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-03G	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2044727-03X9	Tumble Vessel	A	NA		4.2	Y	Absent		-
L2044727-04A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2044727-04B	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-04C	Vial water preserved	A	NA		4.2	Y	Absent	17-OCT-20 03:11	NYTCL-8260HLW(14)
L2044727-04D	Bacteria Cup unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2044727-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2044727-04F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-04G	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8082(14),HEXCR-7196(30)
L2044727-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.2	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2044727-04X9	Tumble Vessel	A	NA		4.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2044727
Report Date: 11/18/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2044727-05A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2044727-05B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2044727-05C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2044727-05D	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),TL-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),CD-6020S(180),AL-6020S(180)
L2044727-05E	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2044727-05F	Plastic 500ml unpreserved	A	7	7	4.2	Y	Absent		HEXCR-7196(1)
L2044727-05G	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2044727-05H	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-LVI(7)
L2044727-05I	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2044727-05J	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

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:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Project Name:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	ONE45	**Lab Number:**	L2044727
Project Number:	170635401	**Report Date:**	11/18/20

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 10/16/20

ALPHA Job #: L2044727

Client Information
Client: Langan
Address: 360 West 31st Street New York NY
Phone: 212-479-5400
Fax: 212-479-5400
Email: WKim@Langan.com

Project Information
Project Name: One45
Project Location: 691 Lenox Ave, Harlem, NY
Project #: 170635401
(Use Project name as Project #) ☐
Project Manager: Wook Kim
ALPHAQuote #: 12332

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL. TAL Metals

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375/TLC VOCs	Part 375/TLC SVOCs	PCBs	TAL Metals	TAL Metals (Filtered & unfiltered)	Hexavalent Chrome	HOLD TCLP	Total Bottle
44727-01	PH1-SB04-0-2	10/16/20	9:40	~~GW~~ S	CW	✓	✓	✓	✓		✓	✓	
-02	PH1-SB04-7-9		9:45	~~GW~~ S	CW	✓	✓	✓	✓		✓	✓	
-03	PH1-SB03-7-9		12:10	S	CW	✓	✓	✓	✓		✓	✓	
-04	PH1-SB03-11-13		12:15	S	CW	✓	✓	✓	✓		✓	✓	
-05	PH1-MW03-101620		14:05	GW	CW	✓	✓	✓		✓	✓	~~✓~~ CW	

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

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

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

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
Andrew Nesci Langan	10/16/20 14:35	MEATZUPS (AAL)	10/16/20 1435
MEATZUPS (AAL)	10/16/20 1915	AAL	10/16/20 20:00
AAL	10/16/20 23:45		10/16/20 23:45

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

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

ANALYTICAL REPORT

Lab Number:	L2052874
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE45
Project Number:	170635401
Report Date:	12/03/20

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: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2052874-01	PH1_SB07_1-3	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 12:25	11/25/20
L2052874-02	PH1_SB08_1-3	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 13:15	11/25/20
L2052874-03	PH1_SB09_0-2	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 14:10	11/25/20
L2052874-04	PH1_SB10_1-3	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 14:45	11/25/20
L2052874-05	PH1_SB11_12-14	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 15:10	11/25/20
L2052874-06	PH1_SODUP01_112520	SOIL	691 LENOX AVE, NEW YORK, NY	11/25/20 14:20	11/25/20
L2052874-07	PH1_SOFB01_112520	FIELD BLANK	691 LENOX AVE, NEW YORK, NY	11/25/20 11:50	11/25/20
L2052874-08	PH1_SOTB01_112520	TRIP BLANK (AQUEOUS)	691 LENOX AVE, NEW YORK, NY	11/25/20 00:00	11/25/20

Project Name:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

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:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

Case Narrative (continued)

Report Submission

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

Sample Receipt

At the client's request, the MS/MSD was performed on "PH1_SB08_1-3".

L2052874-02: Containers for VOC 8260 analysis were received for the "PH1_SB08_1-3" sample, but were not listed on the chain of custody. At the client's request, the analysis was not performed.

L2052874-04: The collection date and time on the chain of custody was 25-NOV-20 14:15; however, the collection date/time on the container label was 25-NOV-20 14:45. At the client's request, the collection date/time is reported as 25-NOV-20 14:45.

L2052874-07: The collection date and time on the chain of custody was 25-NOV-20 11:50; however, the collection date/time on the container label was 25-NOV-20 11:45. At the client's request, the collection date/time is reported as 25-NOV-20 11:50.

Semivolatile Organics

The WG1439099-6/-7 MS/MSD recoveries, performed on L2052874-02, are below the acceptance criteria for hexachlorocyclopentadiene (0%/0%), 2,4-dinitrophenol (0%/0%), 4,6-dinitro-o-cresol (7%/0%) and benzoic acid (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Semivolatile Organics by SIM

The WG1439865-1 Method Blank, associated with L2052874-07, has a concentration above the reporting limit for Naphthalene; however, re-extraction was not required. The results of the original analyses are reported and are qualified with a "B".

Total Metals

Project Name:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

Case Narrative (continued)

L2052874-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

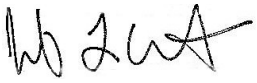
The WG1439798-1 Method Blank, associated with L2052874-07, has a concentration above the reporting limit for manganese. Since the associated sample concentration is either greater than 10x the blank concentration for this analyte or non-detect to the RL for this target analyte, no corrective action is required.

The WG1439864-3/-4 MS/MSD recoveries, performed on L2052874-02, are outside the acceptance criteria for calcium (MS 34%), copper (MSD 70%), lead (67%/52%), thallium (MSD 74%) and zinc (67%/63%). A post digestion spike was performed and was within acceptance criteria.

The WG1439864-3/-4 MS/MSD recoveries for aluminum (655%/663%), iron (953%/362%), magnesium (62%/141%) and potassium (68%/143%), performed on L2052874-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1439866-3/-4 MS/MSD recoveries, performed on L2052874-02, are outside the acceptance criteria for mercury (130%/122%). A post digestion spike was performed and was within acceptance criteria.

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:  Jennifer L Clements

Title: Technical Director/Representative Date: 12/03/20

ORGANICS

VOLATILES

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01
Client ID: PH1_SB07_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 12:25
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/02/20 03:38
Analyst: MV
Percent Solids: 88%

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	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	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	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	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	0.92	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	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	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	0.92	0.50	1
Ethylbenzene	0.30	J	ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	0.64	J	ug/kg	1.8	0.51	1
o-Xylene	1.6		ug/kg	0.92	0.27	1
Xylenes, Total	2.2	J	ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	22		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	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	0.92	0.26	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	2.5		ug/kg	0.92	0.15	1
sec-Butylbenzene	5.0		ug/kg	0.92	0.13	1
tert-Butylbenzene	0.49	J	ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	1.2		ug/kg	0.92	0.10	1
p-Isopropyltoluene	8.0		ug/kg	0.92	0.10	1
Naphthalene	19		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.1		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	24		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	4.6		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	62		ug/kg	1.8	0.16	1
p-Ethyltoluene	14		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	25		ug/kg	1.8	0.18	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	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	94		70-130

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06
Client ID: PH1_SODUP01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:20
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/01/20 22:27
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50
Client ID: PH1_SOFB01_112520 Date Received: 11/25/20
Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 11/30/20 16:18
Analyst: NLK

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

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50

Client ID: PH1_SOFB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50

Client ID: PH1_SOFB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-08 Date Collected: 11/25/20 00:00

Client ID: PH1_SOTB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 1,8260C

Analytical Date: 11/30/20 16:41

Analyst: NLK

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

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-08 Date Collected: 11/25/20 00:00

Client ID: PH1_SOTB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-08 Date Collected: 11/25/20 00:00

Client ID: PH1_SOTB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 09:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1439772-5					
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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 09:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1439772-5					
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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 09:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1439772-5					
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	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/20 18:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG1439964-5					
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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/20 18:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG1439964-5					
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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/20 18:33
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG1439964-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1439772-3 WG1439772-4								
Methylene chloride	96		96		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	96		100		62-150	4		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		110		70-130	10		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	100		110		64-130	10		20
Bromomethane	92		88		39-139	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1439772-3 WG1439772-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	110		110		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	98		100		70-130	2		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	93		95		36-147	2		20
Acetone	110		110		58-148	0		20
Carbon disulfide	99		100		51-130	1		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	110		100		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1439772-3 WG1439772-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		120		70-130	9		20
1,2-Dibromo-3-chloropropane	94		94		41-144	0		20
Hexachlorobutadiene	97		94		63-130	3		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	83		84		70-130	1		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	78		80		70-130	3		20
1,2,4-Trichlorobenzene	89		89		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	88		84		56-162	5		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1439772-3 WG1439772-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	98		98		59-134	0		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	103		103		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG1439964-3 WG1439964-4								
Methylene chloride	92		81		70-130	13		30
1,1-Dichloroethane	98		84		70-130	15		30
Chloroform	93		81		70-130	14		30
Carbon tetrachloride	88		76		70-130	15		30
1,2-Dichloropropane	95		84		70-130	12		30
Dibromochloromethane	90		81		70-130	11		30
1,1,2-Trichloroethane	90		82		70-130	9		30
Tetrachloroethene	97		82		70-130	17		30
Chlorobenzene	95		82		70-130	15		30
Trichlorofluoromethane	**59**	Q	**50**	Q	70-139	17		30
1,2-Dichloroethane	92		83		70-130	10		30
1,1,1-Trichloroethane	87		75		70-130	15		30
Bromodichloromethane	82		74		70-130	10		30
trans-1,3-Dichloropropene	96		86		70-130	11		30
cis-1,3-Dichloropropene	92		82		70-130	11		30
1,1-Dichloropropene	97		83		70-130	16		30
Bromoform	87		79		70-130	10		30
1,1,2,2-Tetrachloroethane	88		81		70-130	8		30
Benzene	94		82		70-130	14		30
Toluene	98		84		70-130	15		30
Ethylbenzene	95		82		70-130	15		30
Chloromethane	104		86		52-130	19		30
Bromomethane	87		73		57-147	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG1439964-3 WG1439964-4								
Vinyl chloride	70		**58**	Q	67-130	19		30
Chloroethane	62		52		50-151	18		30
1,1-Dichloroethene	101		85		65-135	17		30
trans-1,2-Dichloroethene	97		82		70-130	17		30
Trichloroethene	91		78		70-130	15		30
1,2-Dichlorobenzene	96		85		70-130	12		30
1,3-Dichlorobenzene	96		83		70-130	15		30
1,4-Dichlorobenzene	96		83		70-130	15		30
Methyl tert butyl ether	94		86		66-130	9		30
p/m-Xylene	94		81		70-130	15		30
o-Xylene	93		81		70-130	14		30
cis-1,2-Dichloroethene	92		80		70-130	14		30
Dibromomethane	88		80		70-130	10		30
Styrene	92		80		70-130	14		30
Dichlorodifluoromethane	92		77		30-146	18		30
Acetone	99		89		54-140	11		30
Carbon disulfide	101		86		59-130	16		30
2-Butanone	96		88		70-130	9		30
Vinyl acetate	87		79		70-130	10		30
4-Methyl-2-pentanone	89		81		70-130	9		30
1,2,3-Trichloropropane	97		88		68-130	10		30
2-Hexanone	83		76		70-130	9		30
Bromochloromethane	94		84		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG1439964-3 WG1439964-4								
2,2-Dichloropropane	89		77		70-130	14		30
1,2-Dibromoethane	93		85		70-130	9		30
1,3-Dichloropropane	99		89		69-130	11		30
1,1,1,2-Tetrachloroethane	91		81		70-130	12		30
Bromobenzene	95		84		70-130	12		30
n-Butylbenzene	97		82		70-130	17		30
sec-Butylbenzene	98		83		70-130	17		30
tert-Butylbenzene	96		82		70-130	16		30
o-Chlorotoluene	99		86		70-130	14		30
p-Chlorotoluene	100		86		70-130	15		30
1,2-Dibromo-3-chloropropane	89		82		68-130	8		30
Hexachlorobutadiene	94		80		67-130	16		30
Isopropylbenzene	98		83		70-130	17		30
p-Isopropyltoluene	96		82		70-130	16		30
Naphthalene	90		83		70-130	8		30
Acrylonitrile	103		95		70-130	8		30
n-Propylbenzene	98		84		70-130	15		30
1,2,3-Trichlorobenzene	95		83		70-130	13		30
1,2,4-Trichlorobenzene	94		83		70-130	12		30
1,3,5-Trimethylbenzene	97		84		70-130	14		30
1,2,4-Trimethylbenzene	98		85		70-130	14		30
1,4-Dioxane	127		96		65-136	28		30
p-Diethylbenzene	96		82		70-130	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG1439964-3 WG1439964-4								
p-Ethyltoluene	99		84		70-130	16		30
1,2,4,5-Tetramethylbenzene	96		82		70-130	16		30
Ethyl ether	**61**	Q	**55**	Q	67-130	10		30
trans-1,4-Dichloro-2-butene	97		91		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	95		95		70-130

SEMIVOLATILES

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01
Client ID: PH1_SB07_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 12:25
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/30/20 13:48
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	430		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	260		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	820		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	86	J	ug/kg	110	21.	1
Benzo(a)pyrene	76	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	100	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	220		ug/kg	110	36.	1
Benzo(ghi)perylene	45	J	ug/kg	150	22.	1
Fluorene	770		ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	150	26.	1
Pyrene	620		ug/kg	110	18.	1
Biphenyl	280	J	ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	200		ug/kg	180	18.	1
2-Methylnaphthalene	3900		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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	65		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	54		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02
Client ID: PH1_SB08_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 13:15
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/02/20 09:30
Analyst: JG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	57	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	860		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	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	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	25	J	ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02 Date Collected: 11/25/20 13:15

Client ID: PH1_SB08_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	37.	1
Benzo(a)anthracene	460		ug/kg	100	20.	1
Benzo(a)pyrene	950		ug/kg	140	43.	1
Benzo(b)fluoranthene	920		ug/kg	100	29.	1
Benzo(k)fluoranthene	310		ug/kg	100	28.	1
Chrysene	490		ug/kg	100	18.	1
Acenaphthylene	57	J	ug/kg	140	27.	1
Anthracene	160		ug/kg	100	34.	1
Benzo(ghi)perylene	2200		ug/kg	140	20.	1
Fluorene	57	J	ug/kg	170	17.	1
Phenanthrene	740		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	330		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	140	24.	1
Pyrene	780		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	37	J	ug/kg	170	16.	1
2-Methylnaphthalene	22	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02 Date Collected: 11/25/20 13:15

Client ID: PH1_SB08_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	110	J	ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	52		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03
Client ID: PH1_SB09_0-2
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:10
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/30/20 14:11
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	28	J	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	640		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03 Date Collected: 11/25/20 14:10

Client ID: PH1_SB09_0-2 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	340		ug/kg	110	21.	1
Benzo(a)pyrene	390		ug/kg	150	45.	1
Benzo(b)fluoranthene	480		ug/kg	110	31.	1
Benzo(k)fluoranthene	150		ug/kg	110	30.	1
Chrysene	380		ug/kg	110	19.	1
Acenaphthylene	76	J	ug/kg	150	29.	1
Anthracene	100	J	ug/kg	110	36.	1
Benzo(ghi)perylene	280		ug/kg	150	22.	1
Fluorene	32	J	ug/kg	180	18.	1
Phenanthrene	460		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	150	26.	1
Pyrene	620		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03 Date Collected: 11/25/20 14:10

Client ID: PH1_SB09_0-2 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	52	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	50		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04
Client ID: PH1_SB10_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:45
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/30/20 14:34
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	1700		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	55	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04 Date Collected: 11/25/20 14:45

Client ID: PH1_SB10_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	790		ug/kg	110	21.	1
Benzo(a)pyrene	790		ug/kg	150	46.	1
Benzo(b)fluoranthene	890		ug/kg	110	32.	1
Benzo(k)fluoranthene	340		ug/kg	110	30.	1
Chrysene	740		ug/kg	110	20.	1
Acenaphthylene	49	J	ug/kg	150	29.	1
Anthracene	310		ug/kg	110	37.	1
Benzo(ghi)perylene	400		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	190	18.	1
Phenanthrene	1200		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	450		ug/kg	150	26.	1
Pyrene	1400		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	69	J	ug/kg	190	18.	1
2-Methylnaphthalene	26	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04 Date Collected: 11/25/20 14:45

Client ID: PH1_SB10_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	160	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	57		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05
Client ID: PH1_SB11_12-14
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 15:10
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/30/20 12:16
Analyst: JG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:25

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	90	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05 Date Collected: 11/25/20 15:10

Client ID: PH1_SB11_12-14 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	49	J	ug/kg	110	21.	1
Benzo(a)pyrene	53	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	64	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	47	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	39	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	52	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	39	J	ug/kg	150	26.	1
Pyrene	80	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05 Date Collected: 11/25/20 15:10

Client ID: PH1_SB11_12-14 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	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	39		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	28		10-136
4-Terphenyl-d14	63		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06
Client ID: PH1_SODUP01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:20
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/30/20 11:07
Analyst: JG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:13

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	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	32	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	28	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	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: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	59		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07
Client ID: PH1_SOFB01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 11:50
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 12/03/20 10:02
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 20:04

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

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50

Client ID: PH1_SOFB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	77		41-149

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07
Client ID: PH1_SOFB01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 11:50
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 12/02/20 18:57
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 20:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.32	B	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.06	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50

Client ID: PH1_SOFB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	89		41-149

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/30/20 08:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1439099-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/30/20 08:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1439099-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/30/20 08:02
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 11/29/20 15:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1439099-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	78		18-120

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/02/20 11:12
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1439863-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/02/20 11:12
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1439863-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/02/20 11:12
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 16:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1439863-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	96		41-149

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/02/20 09:25
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 16:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1439865-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.20		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/02/20 09:25
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 12/01/20 16:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1439865-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	111		15-120
2,4,6-Tribromophenol	**139**	Q	10-120
4-Terphenyl-d14	115		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1439099-2 WG1439099-3								
Acenaphthene	71		77		31-137	8		50
1,2,4-Trichlorobenzene	72		75		38-107	4		50
Hexachlorobenzene	75		80		40-140	6		50
Bis(2-chloroethyl)ether	72		76		40-140	5		50
2-Chloronaphthalene	74		79		40-140	7		50
1,2-Dichlorobenzene	70		72		40-140	3		50
1,3-Dichlorobenzene	67		71		40-140	6		50
1,4-Dichlorobenzene	70		74		28-104	6		50
3,3'-Dichlorobenzidine	70		72		40-140	3		50
2,4-Dinitrotoluene	82		88		40-132	7		50
2,6-Dinitrotoluene	78		84		40-140	7		50
Fluoranthene	79		85		40-140	7		50
4-Chlorophenyl phenyl ether	75		79		40-140	5		50
4-Bromophenyl phenyl ether	75		79		40-140	5		50
Bis(2-chloroisopropyl)ether	73		77		40-140	5		50
Bis(2-chloroethoxy)methane	72		78		40-117	8		50
Hexachlorobutadiene	69		73		40-140	6		50
Hexachlorocyclopentadiene	74		80		40-140	8		50
Hexachloroethane	67		70		40-140	4		50
Isophorone	71		75		40-140	5		50
Naphthalene	73		78		40-140	7		50
Nitrobenzene	74		77		40-140	4		50
NDPA/DPA	77		82		36-157	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1439099-2 WG1439099-3								
n-Nitrosodi-n-propylamine	75		78		32-121	4		50
Bis(2-ethylhexyl)phthalate	82		90		40-140	9		50
Butyl benzyl phthalate	80		87		40-140	8		50
Di-n-butylphthalate	81		86		40-140	6		50
Di-n-octylphthalate	80		89		40-140	11		50
Diethyl phthalate	74		78		40-140	5		50
Dimethyl phthalate	72		77		40-140	7		50
Benzo(a)anthracene	74		81		40-140	9		50
Benzo(a)pyrene	94		102		40-140	8		50
Benzo(b)fluoranthene	84		90		40-140	7		50
Benzo(k)fluoranthene	81		90		40-140	11		50
Chrysene	80		86		40-140	7		50
Acenaphthylene	72		78		40-140	8		50
Anthracene	79		86		40-140	8		50
Benzo(ghi)perylene	84		89		40-140	6		50
Fluorene	77		81		40-140	5		50
Phenanthrene	80		86		40-140	7		50
Dibenzo(a,h)anthracene	84		89		40-140	6		50
Indeno(1,2,3-cd)pyrene	83		89		40-140	7		50
Pyrene	77		83		35-142	8		50
Biphenyl	79		86		37-127	8		50
4-Chloroaniline	57		56		40-140	2		50
2-Nitroaniline	81		85		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1439099-2 WG1439099-3								
3-Nitroaniline	70		70		26-129	0		50
4-Nitroaniline	80		85		41-125	6		50
Dibenzofuran	79		83		40-140	5		50
2-Methylnaphthalene	74		79		40-140	7		50
1,2,4,5-Tetrachlorobenzene	78		85		40-117	9		50
Acetophenone	82		88		14-144	7		50
2,4,6-Trichlorophenol	79		87		30-130	10		50
p-Chloro-m-cresol	79		87		26-103	10		50
2-Chlorophenol	76		81		25-102	6		50
2,4-Dichlorophenol	80		83		30-130	4		50
2,4-Dimethylphenol	79		83		30-130	5		50
2-Nitrophenol	75		81		30-130	8		50
4-Nitrophenol	83		87		11-114	5		50
2,4-Dinitrophenol	68		74		4-130	8		50
4,6-Dinitro-o-cresol	74		82		10-130	10		50
Pentachlorophenol	82		88		17-109	7		50
Phenol	76		81		26-90	6		50
2-Methylphenol	79		83		30-130.	5		50
3-Methylphenol/4-Methylphenol	80		84		30-130	5		50
2,4,5-Trichlorophenol	79		84		30-130	6		50
Benzoic Acid	40		50		10-110	22		50
Benzyl Alcohol	77		84		40-140	9		50
Carbazole	80		87		54-128	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1439099-2 WG1439099-3								
1,4-Dioxane	64		67		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		78		25-120
Phenol-d6	79		83		10-120
Nitrobenzene-d5	75		78		23-120
2-Fluorobiphenyl	73		78		30-120
2,4,6-Tribromophenol	79		83		10-136
4-Terphenyl-d14	77		82		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1439863-2 WG1439863-3								
Acenaphthene	79		83		37-111	5		30
1,2,4-Trichlorobenzene	71		76		39-98	7		30
Hexachlorobenzene	79		85		40-140	7		30
Bis(2-chloroethyl)ether	82		88		40-140	7		30
2-Chloronaphthalene	75		83		40-140	10		30
1,2-Dichlorobenzene	69		72		40-140	4		30
1,3-Dichlorobenzene	67		73		40-140	9		30
1,4-Dichlorobenzene	68		74		36-97	8		30
3,3'-Dichlorobenzidine	57		72		40-140	23		30
2,4-Dinitrotoluene	81		88		48-143	8		30
2,6-Dinitrotoluene	104		117		40-140	12		30
Fluoranthene	79		87		40-140	10		30
4-Chlorophenyl phenyl ether	77		84		40-140	9		30
4-Bromophenyl phenyl ether	79		86		40-140	8		30
Bis(2-chloroisopropyl)ether	109		105		40-140	4		30
Bis(2-chloroethoxy)methane	78		87		40-140	11		30
Hexachlorobutadiene	74		79		40-140	7		30
Hexachlorocyclopentadiene	73		82		40-140	12		30
Hexachloroethane	69		71		40-140	3		30
Isophorone	80		91		40-140	13		30
Naphthalene	75		82		40-140	9		30
Nitrobenzene	86		90		40-140	5		30
NDPA/DPA	75		84		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1439863-2 WG1439863-3								
n-Nitrosodi-n-propylamine	86		88		29-132	2		30
Bis(2-ethylhexyl)phthalate	89		102		40-140	14		30
Butyl benzyl phthalate	82		93		40-140	13		30
Di-n-butylphthalate	81		93		40-140	14		30
Di-n-octylphthalate	88		101		40-140	14		30
Diethyl phthalate	79		84		40-140	6		30
Dimethyl phthalate	80		90		40-140	12		30
Benzo(a)anthracene	87		96		40-140	10		30
Benzo(a)pyrene	91		97		40-140	6		30
Benzo(b)fluoranthene	90		101		40-140	12		30
Benzo(k)fluoranthene	84		95		40-140	12		30
Chrysene	84		90		40-140	7		30
Acenaphthylene	85		94		45-123	10		30
Anthracene	83		90		40-140	8		30
Benzo(ghi)perylene	79		96		40-140	19		30
Fluorene	79		84		40-140	6		30
Phenanthrene	82		88		40-140	7		30
Dibenzo(a,h)anthracene	81		99		40-140	20		30
Indeno(1,2,3-cd)pyrene	86		97		40-140	12		30
Pyrene	76		86		26-127	12		30
Biphenyl	82		89		40-140	8		30
4-Chloroaniline	54		62		40-140	14		30
2-Nitroaniline	68		76		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1439863-2 WG1439863-3								
3-Nitroaniline	66		72		25-145	9		30
4-Nitroaniline	70		80		51-143	13		30
Dibenzofuran	77		81		40-140	5		30
2-Methylnaphthalene	79		86		40-140	8		30
1,2,4,5-Tetrachlorobenzene	78		86		2-134	10		30
Acetophenone	78		80		39-129	3		30
2,4,6-Trichlorophenol	88		101		30-130	14		30
p-Chloro-m-cresol	82		92		23-97	11		30
2-Chlorophenol	78		85		27-123	9		30
2,4-Dichlorophenol	79		90		30-130	13		30
2,4-Dimethylphenol	34		66		30-130	**64**	Q	30
2-Nitrophenol	96		107		30-130	11		30
4-Nitrophenol	64		73		10-80	13		30
2,4-Dinitrophenol	100		110		20-130	10		30
4,6-Dinitro-o-cresol	91		99		20-164	8		30
Pentachlorophenol	92		102		9-103	10		30
Phenol	60		68		12-110	13		30
2-Methylphenol	66		80		30-130	19		30
3-Methylphenol/4-Methylphenol	72		83		30-130	14		30
2,4,5-Trichlorophenol	82		94		30-130	14		30
Benzoic Acid	78		88		10-164	12		30
Benzyl Alcohol	82		90		26-116	9		30
Carbazole	80		90		55-144	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1439863-2 WG1439863-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		74		21-120
Phenol-d6	60		69		10-120
Nitrobenzene-d5	89		88		23-120
2-Fluorobiphenyl	82		91		15-120
2,4,6-Tribromophenol	107		**123**	Q	10-120
4-Terphenyl-d14	82		93		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1439865-2 WG1439865-3								
Acenaphthene	88		86		40-140	2		40
2-Chloronaphthalene	96		93		40-140	3		40
Fluoranthene	112		106		40-140	6		40
Hexachlorobutadiene	98		94		40-140	4		40
Naphthalene	85		84		40-140	1		40
Benzo(a)anthracene	103		97		40-140	6		40
Benzo(a)pyrene	117		111		40-140	5		40
Benzo(b)fluoranthene	105		98		40-140	7		40
Benzo(k)fluoranthene	112		109		40-140	3		40
Chrysene	103		99		40-140	4		40
Acenaphthylene	110		106		40-140	4		40
Anthracene	102		99		40-140	3		40
Benzo(ghi)perylene	109		102		40-140	7		40
Fluorene	98		95		40-140	3		40
Phenanthrene	93		89		40-140	4		40
Dibenzo(a,h)anthracene	119		111		40-140	7		40
Indeno(1,2,3-cd)pyrene	113		105		40-140	7		40
Pyrene	112		106		40-140	6		40
2-Methylnaphthalene	98		94		40-140	4		40
Pentachlorophenol	134		130		40-140	3		40
Hexachlorobenzene	102		96		40-140	6		40
Hexachloroethane	82		80		40-140	2		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1439865-2 WG1439865-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		70		21-120
Phenol-d6	60		59		10-120
Nitrobenzene-d5	99		94		23-120
2-Fluorobiphenyl	101		97		15-120
2,4,6-Tribromophenol	**153**	Q	**142**	Q	10-120
4-Terphenyl-d14	111		103		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439099-6 WG1439099-7 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
Acenaphthene	57J	1390	1100	79		1100	78		31-137	0		50
1,2,4-Trichlorobenzene	ND	1390	1100	79		1100	78		38-107	0		50
Hexachlorobenzene	ND	1390	1000	72		1000	71		40-140	0		50
Bis(2-chloroethyl)ether	ND	1390	1100	79		1100	78		40-140	0		50
2-Chloronaphthalene	ND	1390	1100	79		1200	85		40-140	9		50
1,2-Dichlorobenzene	ND	1390	1100	79		1100	78		40-140	0		50
1,3-Dichlorobenzene	ND	1390	1000	72		1000	71		40-140	0		50
1,4-Dichlorobenzene	ND	1390	1000	72		1000	71		28-104	0		50
3,3'-Dichlorobenzidine	ND	1390	1100	79		1000	71		40-140	10		50
2,4-Dinitrotoluene	ND	1390	1000	72		960	68		40-132	4		50
2,6-Dinitrotoluene	ND	1390	1100	79		1000	71		40-140	10		50
Fluoranthene	860	1390	1600	53		1600	53		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1390	1000	72		1100	78		40-140	10		50
4-Bromophenyl phenyl ether	ND	1390	1000	72		1000	71		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1390	1200	86		1200	85		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1390	1200	86		1200	85		40-117	0		50
Hexachlorobutadiene	ND	1390	950	68		970	69		40-140	2		50
Hexachlorocyclopentadiene	ND	1390	ND	**0**	Q	ND	**0**	Q	40-140	NC		50
Hexachloroethane	ND	1390	790	57		710	50		40-140	11		50
Isophorone	ND	1390	1200	86		1200	85		40-140	0		50
Naphthalene	25J	1390	1100	79		1100	78		40-140	0		50
Nitrobenzene	ND	1390	1200	86		1200	85		40-140	0		50
NDPA/DPA	ND	1390	1100	79		1100	78		36-157	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439099-6 WG1439099-7 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
n-Nitrosodi-n-propylamine	ND	1390	1200	86		1200	85		32-121	0		50
Bis(2-ethylhexyl)phthalate	ND	1390	1300	93		1300	92		40-140	0		50
Butyl benzyl phthalate	ND	1390	1100	79		1200	85		40-140	9		50
Di-n-butylphthalate	ND	1390	1100	79		1100	78		40-140	0		50
Di-n-octylphthalate	ND	1390	1300	93		1300	92		40-140	0		50
Diethyl phthalate	ND	1390	1000	72		1000	71		40-140	0		50
Dimethyl phthalate	ND	1390	1100	79		1100	78		40-140	0		50
Benzo(a)anthracene	460	1390	1400	68		1400	67		40-140	0		50
Benzo(a)pyrene	950	1390	2100	83		2100	82		40-140	0		50
Benzo(b)fluoranthene	920	1390	2000	78		1900	70		40-140	5		50
Benzo(k)fluoranthene	310	1390	1300	71		1300	70		40-140	0		50
Chrysene	490	1390	1400	65		1400	65		40-140	0		50
Acenaphthylene	57J	1390	1200	86		1200	85		40-140	0		50
Anthracene	160	1390	1200	75		1200	74		40-140	0		50
Benzo(ghi)perylene	2200	1390	2600	**29**	Q	2800	43		40-140	7		50
Fluorene	57J	1390	1100	79		1200	85		40-140	9		50
Phenanthrene	740	1390	1400	47		1400	47		40-140	0		50
Dibenzo(a,h)anthracene	330	1390	1300	70		1400	76		40-140	7		50
Indeno(1,2,3-cd)pyrene	1900	1390	2600	50		2700	57		40-140	4		50
Pyrene	780	1390	1500	52		1500	51		35-142	0		50
Biphenyl	ND	1390	1200	86		1200	85		37-127	0		50
4-Chloroaniline	ND	1390	880	63		830	59		40-140	6		50
2-Nitroaniline	ND	1390	1400	100		1400	100		47-134	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439099-6 WG1439099-7 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
3-Nitroaniline	ND	1390	1300	93		1400	100		26-129	7		50
4-Nitroaniline	ND	1390	1300	93		1400	100		41-125	7		50
Dibenzofuran	37J	1390	1100	79		1200	85		40-140	9		50
2-Methylnaphthalene	22J	1390	1100	79		1200	85		40-140	9		50
1,2,4,5-Tetrachlorobenzene	ND	1390	1100	79		1200	85		40-117	9		50
Acetophenone	ND	1390	1300	93		1300	92		14-144	0		50
2,4,6-Trichlorophenol	ND	1390	1200	86		1200	85		30-130	0		50
p-Chloro-m-cresol	ND	1390	1300	93		1300	92		26-103	0		50
2-Chlorophenol	ND	1390	1200	86		1200	85		25-102	0		50
2,4-Dichlorophenol	ND	1390	1300	93		1300	92		30-130	0		50
2,4-Dimethylphenol	ND	1390	1300	93		1300	92		30-130	0		50
2-Nitrophenol	ND	1390	1100	79		990	70		30-130	11		50
4-Nitrophenol	ND	1390	1300	93		1300	92		11-114	0		50
2,4-Dinitrophenol	ND	1390	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1390	95J	**7**	Q	ND	**0**	Q	10-130	NC		50
Pentachlorophenol	ND	1390	1200	86		1200	85		17-109	0		50
Phenol	ND	1390	1200	86		1200	85		26-90	0		50
2-Methylphenol	ND	1390	1300	93		1300	92		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1390	1300	93		1300	92		30-130	0		50
2,4,5-Trichlorophenol	ND	1390	1200	86		1200	85		30-130	0		50
Benzoic Acid	ND	1390	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1390	1200	86		1200	85		40-140	0		50
Carbazole	110J	1390	1200	86		1200	85		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439099-6 WG1439099-7 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
1,4-Dioxane	ND	1390	760	55		770	55		40-140	1		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	79		78		10-136
2-Fluorobiphenyl	75		73		30-120
2-Fluorophenol	82		82		25-120
4-Terphenyl-d14	70		62		18-120
Nitrobenzene-d5	87		86		23-120
Phenol-d6	89		89		10-120

METALS

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Barium, TCLP	0.448	J	mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Lead, TCLP	0.034	J	mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 12:05	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 22:06	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01 Date Collected: 11/25/20 12:25

Client ID: PH1_SB07_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	8090		mg/kg	8.72	2.36	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.36	0.332	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Arsenic, Total	2.75		mg/kg	0.872	0.181	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Barium, Total	49.4		mg/kg	0.872	0.152	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Beryllium, Total	0.227	J	mg/kg	0.436	0.029	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Cadmium, Total	0.358	J	mg/kg	0.872	0.086	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Calcium, Total	1420		mg/kg	8.72	3.05	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Chromium, Total	17.0		mg/kg	0.872	0.084	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Cobalt, Total	5.50		mg/kg	1.74	0.145	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Copper, Total	14.5		mg/kg	0.872	0.225	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Iron, Total	12500		mg/kg	4.36	0.788	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Lead, Total	59.9		mg/kg	4.36	0.234	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Magnesium, Total	1830		mg/kg	8.72	1.34	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Manganese, Total	160		mg/kg	0.872	0.139	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.080	0.052	1	12/02/20 16:49	12/03/20 09:45	EPA 7471B	1,7471B	VW
Nickel, Total	13.1		mg/kg	2.18	0.211	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Potassium, Total	738		mg/kg	218	12.6	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Selenium, Total	0.314	J	mg/kg	1.74	0.225	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.872	0.247	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Sodium, Total	41.8	J	mg/kg	174	2.75	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.74	0.275	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Vanadium, Total	22.1		mg/kg	0.872	0.177	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
Zinc, Total	55.4		mg/kg	4.36	0.256	2	12/02/20 16:49	12/02/20 23:54	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	17		mg/kg	0.91	0.91	1		12/02/20 23:54	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02 Date Collected: 11/25/20 13:15

Client ID: PH1_SB08_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Barium, TCLP	0.543		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Lead, TCLP	0.090	J	mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 11:52	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 21:09	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02 Date Collected: 11/25/20 13:15

Client ID: PH1_SB08_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12600		mg/kg	8.22	2.22	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.11	0.312	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Arsenic, Total	3.67		mg/kg	0.822	0.171	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Barium, Total	121		mg/kg	0.822	0.143	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Beryllium, Total	0.247	J	mg/kg	0.411	0.027	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Cadmium, Total	0.633	J	mg/kg	0.822	0.081	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Calcium, Total	2900		mg/kg	8.22	2.88	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Chromium, Total	26.2		mg/kg	0.822	0.079	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Cobalt, Total	10.4		mg/kg	1.64	0.136	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Copper, Total	30.0		mg/kg	0.822	0.212	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Iron, Total	23200		mg/kg	4.11	0.743	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Lead, Total	74.3		mg/kg	4.11	0.220	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Magnesium, Total	4780		mg/kg	8.22	1.27	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Manganese, Total	412		mg/kg	0.822	0.131	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.074	0.049	1	12/02/20 16:49	12/03/20 09:31	EPA 7471B	1,7471B	VW
Nickel, Total	16.8		mg/kg	2.06	0.199	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Potassium, Total	4020		mg/kg	206	11.8	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Selenium, Total	0.650	J	mg/kg	1.64	0.212	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.822	0.233	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Sodium, Total	168		mg/kg	164	2.59	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.64	0.259	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Vanadium, Total	45.6		mg/kg	0.822	0.167	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
Zinc, Total	85.8		mg/kg	4.11	0.241	2	12/02/20 16:49	12/02/20 23:03	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	26		mg/kg	0.85	0.85	1		12/02/20 23:03	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03 Date Collected: 11/25/20 14:10

Client ID: PH1_SB09_0-2 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Barium, TCLP	0.578		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Lead, TCLP	0.576		mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 12:08	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 22:11	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03 Date Collected: 11/25/20 14:10

Client ID: PH1_SB09_0-2 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	5360		mg/kg	8.86	2.39	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.43	0.336	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Arsenic, Total	2.74		mg/kg	0.886	0.184	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Barium, Total	47.7		mg/kg	0.886	0.154	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Beryllium, Total	0.212	J	mg/kg	0.443	0.029	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Cadmium, Total	0.372	J	mg/kg	0.886	0.087	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Calcium, Total	1300		mg/kg	8.86	3.10	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Chromium, Total	12.5		mg/kg	0.886	0.085	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Cobalt, Total	5.60		mg/kg	1.77	0.147	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Copper, Total	15.8		mg/kg	0.886	0.228	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Iron, Total	13700		mg/kg	4.43	0.800	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Lead, Total	32.0		mg/kg	4.43	0.237	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Magnesium, Total	1940		mg/kg	8.86	1.36	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Manganese, Total	243		mg/kg	0.886	0.141	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Mercury, Total	ND		mg/kg	0.074	0.048	1	12/02/20 16:49	12/03/20 09:48	EPA 7471B	1,7471B	VW
Nickel, Total	18.9		mg/kg	2.21	0.214	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Potassium, Total	1050		mg/kg	221	12.8	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	1.77	0.228	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.886	0.251	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Sodium, Total	63.6	J	mg/kg	177	2.79	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.77	0.279	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Vanadium, Total	19.1		mg/kg	0.886	0.180	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
Zinc, Total	44.4		mg/kg	4.43	0.259	2	12/02/20 16:49	12/02/20 23:58	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	12		mg/kg	0.90	0.90	1		12/02/20 23:58	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04 Date Collected: 11/25/20 14:45

Client ID: PH1_SB10_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Barium, TCLP	0.585		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Lead, TCLP	0.106	J	mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 12:12	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 22:16	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04 Date Collected: 11/25/20 14:45

Client ID: PH1_SB10_1-3 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	7840		mg/kg	8.79	2.37	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Antimony, Total	0.396	J	mg/kg	4.40	0.334	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Arsenic, Total	5.61		mg/kg	0.879	0.183	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Barium, Total	77.4		mg/kg	0.879	0.153	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Beryllium, Total	0.325	J	mg/kg	0.440	0.029	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Cadmium, Total	0.528	J	mg/kg	0.879	0.086	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Calcium, Total	3030		mg/kg	8.79	3.08	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Chromium, Total	14.8		mg/kg	0.879	0.084	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Cobalt, Total	6.03		mg/kg	1.76	0.146	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Copper, Total	22.7		mg/kg	0.879	0.227	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Iron, Total	18000		mg/kg	4.40	0.794	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Lead, Total	102		mg/kg	4.40	0.236	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Magnesium, Total	1600		mg/kg	8.79	1.35	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Manganese, Total	390		mg/kg	0.879	0.140	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Mercury, Total	0.087		mg/kg	0.087	0.056	1	12/02/20 16:49	12/03/20 09:51	EPA 7471B	1,7471B	VW
Nickel, Total	10.5		mg/kg	2.20	0.213	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Potassium, Total	471		mg/kg	220	12.7	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Selenium, Total	0.519	J	mg/kg	1.76	0.227	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.879	0.249	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Sodium, Total	78.7	J	mg/kg	176	2.77	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.76	0.277	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Vanadium, Total	21.6		mg/kg	0.879	0.178	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
Zinc, Total	77.6		mg/kg	4.40	0.258	2	12/02/20 16:49	12/03/20 00:03	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	15		mg/kg	0.92	0.92	1		12/03/20 00:03	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05 Date Collected: 11/25/20 15:10

Client ID: PH1_SB11_12-14 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Barium, TCLP	0.696		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Lead, TCLP	0.044	J	mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 12:15	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 22:20	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05 Date Collected: 11/25/20 15:10

Client ID: PH1_SB11_12-14 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, 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	11400		mg/kg	8.69	2.35	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.34	0.330	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Arsenic, Total	2.99		mg/kg	0.869	0.181	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Barium, Total	144		mg/kg	0.869	0.151	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.434	0.029	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Cadmium, Total	0.521	J	mg/kg	0.869	0.085	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Calcium, Total	8730		mg/kg	8.69	3.04	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Chromium, Total	30.9		mg/kg	0.869	0.083	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Cobalt, Total	11.9		mg/kg	1.74	0.144	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Copper, Total	25.8		mg/kg	0.869	0.224	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Iron, Total	20400		mg/kg	4.34	0.785	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Lead, Total	40.0		mg/kg	4.34	0.233	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Magnesium, Total	6630		mg/kg	8.69	1.34	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Manganese, Total	351		mg/kg	0.869	0.138	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Mercury, Total	0.088		mg/kg	0.085	0.056	1	12/02/20 16:49	12/03/20 10:01	EPA 7471B	1,7471B	VW
Nickel, Total	21.0		mg/kg	2.17	0.210	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Potassium, Total	5250		mg/kg	217	12.5	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Selenium, Total	0.548	J	mg/kg	1.74	0.224	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.869	0.246	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Sodium, Total	204		mg/kg	174	2.74	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.74	0.274	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Vanadium, Total	39.8		mg/kg	0.869	0.176	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
Zinc, Total	68.2		mg/kg	4.34	0.255	2	12/02/20 16:49	12/03/20 00:07	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	30	J	mg/kg	0.91	0.91	1		12/03/20 00:07	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 11/29/20 14:25

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Barium, TCLP	0.521		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 12:18	EPA 7470A	1,7470A	VW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 22:25	EPA 3015	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06 Date Collected: 11/25/20 14:20

Client ID: PH1_SODUP01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8420		mg/kg	9.05	2.44	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.52	0.344	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Arsenic, Total	3.19		mg/kg	0.905	0.188	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Barium, Total	61.0		mg/kg	0.905	0.157	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Beryllium, Total	0.262	J	mg/kg	0.452	0.030	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Cadmium, Total	0.443	J	mg/kg	0.905	0.089	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Calcium, Total	1580		mg/kg	9.05	3.17	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Chromium, Total	19.4		mg/kg	0.905	0.087	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Cobalt, Total	6.66		mg/kg	1.81	0.150	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Copper, Total	19.6		mg/kg	0.905	0.233	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Iron, Total	13700		mg/kg	4.52	0.817	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Lead, Total	72.7		mg/kg	4.52	0.242	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Magnesium, Total	2070		mg/kg	9.05	1.39	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Manganese, Total	260		mg/kg	0.905	0.144	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Mercury, Total	0.061	J	mg/kg	0.078	0.051	1	12/02/20 16:49	12/03/20 10:04	EPA 7471B	1,7471B	VW
Nickel, Total	15.1		mg/kg	2.26	0.219	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Potassium, Total	857		mg/kg	226	13.0	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Selenium, Total	0.235	J	mg/kg	1.81	0.233	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.905	0.256	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Sodium, Total	74.5	J	mg/kg	181	2.85	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.81	0.285	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Vanadium, Total	25.2		mg/kg	0.905	0.184	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
Zinc, Total	68.1		mg/kg	4.52	0.265	2	12/02/20 16:49	12/03/20 00:12	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	19		mg/kg	0.94	0.94	1		12/03/20 00:12	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07 Date Collected: 11/25/20 11:50

Client ID: PH1_SOFB01_112520 Date Received: 11/25/20

Sample Location: 691 LENOX AVE, NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/02/20 14:40	12/02/20 18:00	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/02/20 13:17	12/02/20 18:04	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		12/02/20 18:04	NA	107,-	

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1439642-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Barium, TCLP	ND		mg/l	0.500	0.021	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/01/20 10:33	12/01/20 20:59	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/28/20 13:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1439798-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Manganese, Total	0.00132		mg/l	0.00100	0.00044	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Sodium, Total	ND	mg/l	0.100	0.0293	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Thallium, Total	ND	mg/l	0.00100	0.00014	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	12/02/20 13:17	12/02/20 17:01	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1439803-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/02/20 14:40	12/02/20 17:26	1,7470A	EW

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1439864-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Chromium, Total	0.092	J	mg/kg	0.400	0.038	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Iron, Total	1.01	J	mg/kg	2.00	0.361	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Manganese, Total	0.088	J	mg/kg	0.400	0.064	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Potassium, Total	ND		mg/kg	100	5.76	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Sodium, Total	1.27	J	mg/kg	80.0	1.26	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/02/20 16:49	12/02/20 23:35	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1439866-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/02/20 16:49	12/03/20 09:25	1,7471B	VW

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1440380-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	12/03/20 08:46	12/03/20 11:39	1,7470A	VW

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/28/20 13:22

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1439642-2								
Arsenic, TCLP	107		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	107		-		75-125	-		20
Chromium, TCLP	102		-		75-125	-		20
Lead, TCLP	99		-		75-125	-		20
Selenium, TCLP	107		-		75-125	-		20
Silver, TCLP	100		-		75-125	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1439798-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	91	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	97	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	92	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	100	-	80-120	-	
Thallium, Total	99	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1439798-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1439803-2					
Mercury, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1439864-2 SRM Lot Number: D109-540					
Aluminum, Total	70	-	50-150	-	
Antimony, Total	169	-	19-250	-	
Arsenic, Total	102	-	70-130	-	
Barium, Total	94	-	75-125	-	
Beryllium, Total	99	-	75-125	-	
Cadmium, Total	95	-	75-125	-	
Calcium, Total	97	-	73-128	-	
Chromium, Total	97	-	70-130	-	
Cobalt, Total	97	-	75-125	-	
Copper, Total	95	-	75-125	-	
Iron, Total	104	-	35-165	-	
Lead, Total	95	-	72-128	-	
Magnesium, Total	87	-	62-138	-	
Manganese, Total	94	-	74-126	-	
Nickel, Total	96	-	70-130	-	
Potassium, Total	85	-	59-141	-	
Selenium, Total	96	-	68-132	-	
Silver, Total	101	-	68-131	-	
Sodium, Total	101	-	35-165	-	
Thallium, Total	95	-	68-131	-	
Vanadium, Total	102	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1439864-2 SRM Lot Number: D109-540					
Zinc, Total	96	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1439866-2 SRM Lot Number: D109-540					
Mercury, Total	80	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1440380-2					
Mercury, TCLP	89	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1439642-3 WG1439642-4 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
Arsenic, TCLP	ND	1.2	1.28	107		1.30	108		75-125	2		20
Barium, TCLP	0.543	20	20.3	99		20.4	99		75-125	0		20
Cadmium, TCLP	ND	0.51	0.539	106		0.542	106		75-125	1		20
Chromium, TCLP	ND	2	2.01	100		2.02	101		75-125	0		20
Lead, TCLP	0.090J	5.1	5.01	98		5.05	99		75-125	1		20
Selenium, TCLP	ND	1.2	1.28	107		1.29	108		75-125	1		20
Silver, TCLP	ND	0.5	0.494	99		0.494	99		75-125	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439798-3 QC Sample: L2052434-02 Client ID: MS Sample										
Aluminum, Total	34.9	2	40.9	**300**	Q	-	-	75-125	-	20
Antimony, Total	0.00104J	0.5	0.5640	113		-	-	75-125	-	20
Arsenic, Total	0.01442	0.12	0.1381	103		-	-	75-125	-	20
Barium, Total	0.5466	2	2.625	104		-	-	75-125	-	20
Beryllium, Total	0.00578	0.05	0.05898	106		-	-	75-125	-	20
Cadmium, Total	0.00091	0.051	0.05283	102		-	-	75-125	-	20
Calcium, Total	133.	10	150	**170**	Q	-	-	75-125	-	20
Chromium, Total	0.1028	0.2	0.3013	99		-	-	75-125	-	20
Cobalt, Total	0.02912	0.5	0.5127	97		-	-	75-125	-	20
Copper, Total	0.1145	0.25	0.3612	99		-	-	75-125	-	20
Iron, Total	66.8	1	69.5	**270**	Q	-	-	75-125	-	20
Lead, Total	0.2097	0.51	0.7347	103		-	-	75-125	-	20
Magnesium, Total	30.7	10	44.7	**140**	Q	-	-	75-125	-	20
Manganese, Total	1.528	0.5	2.086	112		-	-	75-125	-	20
Nickel, Total	0.1141	0.5	0.5842	94		-	-	75-125	-	20
Potassium, Total	20.7	10	32.3	116		-	-	75-125	-	20
Selenium, Total	0.0119	0.12	0.144	110		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05094	102		-	-	75-125	-	20
Sodium, Total	114.	10	128	**140**	Q	-	-	75-125	-	20
Thallium, Total	0.00036J	0.12	0.1240	103		-	-	75-125	-	20
Vanadium, Total	0.1893	0.5	0.6804	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439798-3 QC Sample: L2052434-02 Client ID: MS Sample									
Zinc, Total	0.3549	0.5	0.9103	111	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439803-3 QC Sample: L2052434-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00513	103	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1439864-3 WG1439864-4 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3											
Aluminum, Total	12600	168	13700	**655**	Q	13700	**663**	Q	75-125	0	20
Antimony, Total	ND	42	35.7	85		33.9	82		75-125	5	20
Arsenic, Total	3.67	10.1	13.3	96		12.5	89		75-125	6	20
Barium, Total	121	168	264	85		285	99		75-125	8	20
Beryllium, Total	0.247J	4.2	4.22	100		3.99	96		75-125	6	20
Cadmium, Total	0.633J	4.28	4.50	105		4.34	102		75-125	4	20
Calcium, Total	2900	839	3190	**34**	Q	3870	117		75-125	19	20
Chromium, Total	26.2	16.8	42.9	99		40.3	85		75-125	6	20
Cobalt, Total	10.4	42	45.3	83		43.9	81		75-125	3	20
Copper, Total	30.0	21	52.7	108		44.5	**70**	Q	75-125	17	20
Iron, Total	23200	83.9	24000	**953**	Q	23500	**362**	Q	75-125	2	20
Lead, Total	74.3	42.8	103	**67**	Q	96.1	**52**	Q	75-125	7	20
Magnesium, Total	4780	839	5300	**62**	Q	5950	**141**	Q	75-125	12	20
Manganese, Total	412	42	457	107		452	96		75-125	1	20
Nickel, Total	16.8	42	50.9	81		48.5	76		75-125	5	20
Potassium, Total	4020	839	4590	**68**	Q	5210	**143**	Q	75-125	13	20
Selenium, Total	0.650J	10.1	9.69	96		9.47	95		75-125	2	20
Silver, Total	ND	25.2	25.1	100		23.6	95		75-125	6	20
Sodium, Total	168	839	991	98		945	94		75-125	5	20
Thallium, Total	ND	10.1	7.85	78		7.38	**74**	Q	75-125	6	20
Vanadium, Total	45.6	42	84.2	92		79.5	82		75-125	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1439864-3 WG1439864-4 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3											
Zinc, Total	85.8	42	114	**67**	Q	112	**63**	Q	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1439866-3 WG1439866-4 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3											
Mercury, Total	ND	0.142	0.185	**130**	Q	0.175	**122**	Q	80-120	6	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1440380-3 WG1440380-4 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3											
Mercury, TCLP	ND	0.025	0.0212	85		0.0245	98		80-120	14	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439798-4 QC Sample: L2052434-02 Client ID: DUP Sample						
Aluminum, Total	34.9	35.0	mg/l	0		20
Antimony, Total	0.00104J	0.00149J	mg/l	NC		20
Arsenic, Total	0.01442	0.01492	mg/l	3		20
Barium, Total	0.5466	0.5516	mg/l	1		20
Beryllium, Total	0.00578	0.00590	mg/l	2		20
Cadmium, Total	0.00091	0.00096	mg/l	5		20
Calcium, Total	133.	134	mg/l	1		20
Chromium, Total	0.1028	0.1021	mg/l	1		20
Cobalt, Total	0.02912	0.02938	mg/l	1		20
Copper, Total	0.1145	0.1118	mg/l	2		20
Iron, Total	66.8	66.7	mg/l	0		20
Lead, Total	0.2097	0.2138	mg/l	2		20
Magnesium, Total	30.7	30.9	mg/l	1		20
Manganese, Total	1.528	1.522	mg/l	0		20
Nickel, Total	0.1141	0.1136	mg/l	0		20
Potassium, Total	20.7	21.0	mg/l	1		20
Selenium, Total	0.0119	0.0124	mg/l	4		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	114.	116	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439798-4 QC Sample: L2052434-02 Client ID: DUP Sample					
Thallium, Total	0.00036J	0.00076J	mg/l	NC	20
Vanadium, Total	0.1893	0.1918	mg/l	1	20
Zinc, Total	0.3549	0.3539	mg/l	0	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1439803-4 QC Sample: L2052434-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-01
Client ID: PH1_SB07_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 12:25
Date Received: 11/25/20
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	88.3		%	0.100	NA	1	-	11/26/20 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.906	0.181	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-02
Client ID: PH1_SB08_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 13:15
Date Received: 11/25/20
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	94.1		%	0.100	NA	1	-	11/26/20 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.850	0.170	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-03
Client ID: PH1_SB09_0-2
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:10
Date Received: 11/25/20
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	-	11/30/20 09:35	121,2540G	CG
Chromium, Hexavalent	ND		mg/kg	0.904	0.181	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-04
Client ID: PH1_SB10_1-3
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:45
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	11/30/20 09:35	121,2540G	CG
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-05
Client ID: PH1_SB11_12-14
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 15:10
Date Received: 11/25/20
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	87.7		%	0.100	NA	1	-	11/30/20 09:35	121,2540G	CG
Chromium, Hexavalent	0.422	J	mg/kg	0.912	0.182	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-06
Client ID: PH1_SODUP01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 14:20
Date Received: 11/25/20
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	84.7		%	0.100	NA	1	-	11/26/20 10:45	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.944	0.189	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

SAMPLE RESULTS

Lab ID: L2052874-07
Client ID: PH1_SOFB01_112520
Sample Location: 691 LENOX AVE, NEW YORK, NY

Date Collected: 11/25/20 11:50
Date Received: 11/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/26/20 05:11	11/26/20 05:29	1,7196A	AW

Project Name: ONE45 **Lab Number:** L2052874

Project Number: 170635401 **Report Date:** 12/03/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1438752-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/26/20 05:11	11/26/20 05:27	1,7196A	AW
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1439836-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	12/01/20 16:05	12/02/20 18:00	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE45

Project Number: 170635401

Lab Number: L2052874

Report Date: 12/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1438752-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1439836-2								
Chromium, Hexavalent	86		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1438752-4 QC Sample: L2052874-07 Client ID: PH1_SOFB01_112520												
Chromium, Hexavalent	ND	0.1	0.103	103		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439836-4 WG1439836-5 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3												
Chromium, Hexavalent	ND	1400	1190	85		1180	87		75-125	1		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1438752-3 QC Sample: L2052874-07 Client ID: PH1_SOFB01_112520						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02,06 QC Batch ID: WG1438771-1 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3						
Solids, Total	94.1	87.2	%	8		20
General Chemistry - Westborough Lab Associated sample(s): 03-05 QC Batch ID: WG1439227-1 QC Sample: L2052870-02 Client ID: DUP Sample						
Solids, Total	90.7	91.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1439836-8 QC Sample: L2052874-02 Client ID: PH1_SB08_1-3						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

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(*)
L2052874-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2052874-01B	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	NYTCL-8260HLW(14)
L2052874-01C	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	NYTCL-8260HLW(14)
L2052874-01D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2052874-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2052874-01F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-01G	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2052874-01X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L2052874-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		HOLD-8260HLW(14)
L2052874-02A1	Vial MeOH preserved	A	NA		4.4	Y	Absent		HOLD-8260HLW(14)
L2052874-02A2	Vial MeOH preserved	A	NA		4.4	Y	Absent		HOLD-8260HLW(14)
L2052874-02B	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02B1	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02B2	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02C	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02C1	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02C2	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	HOLD-8260HLW(14)
L2052874-02D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2052874-02D3	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2052874-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2052874-02E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2052874-02E2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2052874-02F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02F1	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02F2	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02G	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02G1	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02G2	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2052874-02X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L2052874-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	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),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2052874-03B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-03C	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2052874-03X9	Tumble Vessel	A	NA		4.4	Y	Absent		-

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2052874-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	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),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2052874-04B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-04C	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2052874-04X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L2052874-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2052874-05B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-05C	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2052874-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2052874-05X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L2052874-06A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2052874-06B	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	NYTCL-8260HLW(14)
L2052874-06C	Vial water preserved	A	NA		4.4	Y	Absent	26-NOV-20 04:29	NYTCL-8260HLW(14)
L2052874-06D	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2052874-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2052874-06F	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-06G	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),HEXCR-7196(30)
L2052874-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: ONE45
Project Number: 170635401

Lab Number: L2052874
Report Date: 12/03/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2052874-06X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L2052874-07A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2052874-07B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2052874-07C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2052874-07D	Plastic 250ml HNO3 preserved	A	<2	<2	4.4	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2052874-07E	Amber 250ml unpreserved	A	8	8	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2052874-07F	Amber 250ml unpreserved	A	8	8	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2052874-07G	Plastic 950ml unpreserved	A	8	8	4.4	Y	Absent		HEXCR-7196(1)
L2052874-08A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2052874-08B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

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:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

Data Qualifiers

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name:	ONE45	**Lab Number:**	L2052874
Project Number:	170635401	**Report Date:**	12/03/20

REFERENCES

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

107 Alpha Analytical - In-house calculation method.

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 11/25/20

ALPHA Job #: L2057874

Client Information
Client: Langan
Address: 360 West 31st Street, New York, NY
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@Langan.com

Project Information
Project Name: One45
Project Location: 691 Lenox Ave New York, NY
Project #: 170635401
(Use Project name as Project #)
Project Manager: Woo Kim
ALPHAQuote #: 12332

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.
TAL Metals

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

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

Billing Information
☑ Same as Client Info
PO #

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

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

Total Bottle

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Part 375/TLC VOCs	Part 375/TLC SVOCs	TAL Metals	Hex/Trichrome	TCLP Metals	Sample Specific Comments
57874-01	PH1-SB07-1-3	11/25/20	12:25	Soil	AM	✓	✓	✓	✓	✓	
02	PH1-SB08-1-3		13:15				✓	✓	✓	✓	
03	PH1-SB09-0-2		14:10				✓	✓	✓	✓	
04	PH1-SB10-1-3		14:15				✓	✓	✓	✓	
05	PH1-SB11-12-14		15:10				✓	✓	✓	✓	
-02	PH1-SOMS01-112520		13:20				✓	✓	✓	✓	
-02	PH1-SOMSD01-112520		13:25				✓	✓	✓	✓	
06	PH1-SODUP01-112520		14:20	↓		✓	✓	✓	✓	✓	
07	PH1-SOFB01-112520	↓	11:50	Water	↓	✓	✓	✓	✓		
08	PH1-SOTB02-112520		—	↓		✓					

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

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

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

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Andrew Nesci/Langan	11/25/20 1630	[illegible] (AAL)	11/25/20 1630
[illegible] (AAL)	11/25/20 1800	[illegible]	11/25/20 1800
[illegible]	11/25/20 2000	[illegible]	11/25/20 22:00

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

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

APPENDIX F

LABORATORY ANALYTICAL REPORTS – SOIL VAPOR

ANALYTICAL REPORT

Lab Number:	L2044099
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE 45
Project Number:	170635401
Report Date:	10/19/20

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: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2044099-01	PH1_SV02_101320	SOIL_VAPOR	641 LENOX AVE, HARLEM, NY	10/14/20 12:26	10/14/20

Project Name:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

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:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on October 13, 2020. The canister certification results are provided as an addendum.

L2044099-01: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

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: 10/19/20

AIR

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2044099-01
Client ID: PH1_SV02_101320
Sample Location: 641 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:26
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/17/20 03:48
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	17.2	0.200	--	85.1	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	0.451	0.200	--	0.998	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	13.7	5.00	--	25.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	93.2	1.00	--	221	2.38	--		1
Trichlorofluoromethane	211	0.200	--	1190	1.12	--	E	1
Isopropanol	1.98	0.500	--	4.87	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	12.1	0.500	--	36.7	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.54	0.200	--	7.91	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	19.0	0.500	--	56.0	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2044099-01
Client ID: PH1_SV02_101320
Sample Location: 641 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:26
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.12	0.200	--	25.0	0.977	--		1
Tetrahydrofuran	2.26	0.500	--	6.67	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	5.97	0.200	--	21.0	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.42	0.200	--	4.54	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.828	0.200	--	2.85	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylenes, Total	2.98	0.200	--	12.9	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.744	0.200	--	4.00	1.07	--		1
2,2,4-Trimethylpentane	19.8	0.200	--	92.5	0.934	--		1
Heptane	1.78	0.200	--	7.29	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.44	0.500	--	18.2	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	2.60	0.200	--	9.80	0.754	--		1
2-Hexanone	4.50	0.200	--	18.4	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	21.6	0.200	--	146	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2044099-01
Client ID: PH1_SV02_101320
Sample Location: 641 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:26
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	0.521	0.200	--	2.26	0.869	--		1
p/m-Xylene	2.05	0.400	--	8.90	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	0.936	0.200	--	4.07	0.869	--		1
4-Ethyltoluene	0.306	0.200	--	1.50	0.983	--		1
1,3,5-Trimethylbenzene	0.541	0.200	--	2.66	0.983	--		1
1,2,4-Trimethylbenzene	1.84	0.200	--	9.05	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	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140

Project Name: ONE 45
Project Number: 170635401
Lab Number: L2044099
Report Date: 10/19/20

SAMPLE RESULTS

Lab ID: L2044099-01 D
Client ID: PH1_SV02_101320
Sample Location: 641 LENOX AVE, HARLEM, NY

Date Collected: 10/14/20 12:26
Date Received: 10/14/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/17/20 09:22
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichlorofluoromethane	247	0.667	--	1390	3.75	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	89		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/16/20 15:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1423064-4								
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
Xylenes, Total	ND	0.200	--	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

Project Name: ONE 45 **Lab Number:** L2044099

Project Number: 170635401 **Report Date:** 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/16/20 15:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1423064-4								
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	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

Project Name: ONE 45
Project Number: 170635401
Lab Number: L2044099
Report Date: 10/19/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/16/20 15:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1423064-4								
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
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: ONE 45

Project Number: 170635401

Lab Number: L2044099

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1423064-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	100		-		70-130	-		
Freon-114	106		-		70-130	-		
Vinyl chloride	100		-		70-130	-		
1,3-Butadiene	106		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	106		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	100		-		70-130	-		
Acetone	91		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	92		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	105		-		70-130	-		
3-Chloropropene	109		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
Freon-113	104		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	106		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	101		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1423064-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	103		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	106		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	114		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	107		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	110		-		70-130	-		
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE 45

Project Number: 170635401

Lab Number: L2044099

Report Date: 10/19/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1423064-3								
Tetrachloroethene	106		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	117		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	111		-		70-130	-		
4-Ethyltoluene	108		-		70-130	-		
1,3,5-Trimethylbenzene	109		-		70-130	-		
1,2,4-Trimethylbenzene	116		-		70-130	-		
Benzyl chloride	118		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	117		-		70-130	-		
1,2-Dichlorobenzene	119		-		70-130	-		
1,2,4-Trichlorobenzene	122		-		70-130	-		
Hexachlorobutadiene	118		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1423064-5 QC Sample: L2044099-01 Client ID: PH1_SV02_101320						
Dichlorodifluoromethane	17.2	17.1	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	0.451	0.505	ppbV	11		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	13.7	14.2	ppbV	4		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	93.2	92.3	ppbV	1		25
Trichlorofluoromethane	211E	210E	ppbV	0		25
Isopropanol	1.98	1.98	ppbV	0		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	12.1	12.4	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	2.54	2.52	ppbV	1		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: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1423064-5 QC Sample: L2044099-01 Client ID: PH1_SV02_101320						
2-Butanone	19.0	18.9	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	5.12	5.17	ppbV	1		25
Tetrahydrofuran	2.26	2.27	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	5.97	6.54	ppbV	9		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	1.42	1.50	ppbV	5		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	0.828	0.887	ppbV	7		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Xylenes, Total	2.98	3.06	ppbV	3		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	0.744	0.748	ppbV	1		25
2,2,4-Trimethylpentane	19.8	22.4	ppbV	12		25
Heptane	1.78	1.90	ppbV	7		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	4.44	4.49	ppbV	1		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1423064-5 QC Sample: L2044099-01 Client ID: PH1_SV02_101320						
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.60	2.65	ppbV	2		25
2-Hexanone	4.50	4.67	ppbV	4		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	21.6	22.2	ppbV	3		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.521	0.530	ppbV	2		25
p/m-Xylene	2.05	2.09	ppbV	2		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	0.936	0.970	ppbV	4		25
4-Ethyltoluene	0.306	0.315	ppbV	3		25
1,3,5-Trimethylbenzene	0.541	0.557	ppbV	3		25
1,2,4-Trimethylbenzene	1.84	1.88	ppbV	2		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

Lab Duplicate Analysis
Batch Quality Control

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1423064-5 QC Sample: L2044099-01 Client ID: PH1_SV02_101320						
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1423064-5 QC Sample: L2044099-01 Client ID: PH1_SV02_101320						
Trichlorofluoromethane	247	248	ppbV	0		25

Project Name: ONE 45

Project Number: 170635401

Lab Number: L2044099

Report Date: 10/19/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2044099-01	PH1_SV02_101320	01090	SV20	10/13/20	332885		-	-	-	Pass	17.2	16.7	3
L2044099-01	PH1_SV02_101320	113	2.7L Can	10/13/20	332885	L2039912-03	Pass	-29.5	-7.3	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/23/20 19:25
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/23/20 19:25
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/19/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044099
Report Date: 10/19/20

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(*)
L2044099-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

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:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.

Report Format: Data Usability Report

Project Name:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

Data Qualifiers

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.

Report Format: Data Usability Report

Project Name:	ONE 45	**Lab Number:**	L2044099
Project Number:	170635401	**Report Date:**	10/19/20

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 10/15/20

ALPHA Job #: L2044099

Client Information

Client: Langan
Address: 360 West 31st Street New York, NY
Phone: 212-479-5400
Fax: 212-479-5444
Email: WKim@Langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: One 45
Project Location: 641 Lenox Ave, Harlem, NY
Project #: 170635401
Project Manager: Woo Kim
ALPHA Quote #: 12332

Turn-Around Time

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

Date Due: 10/20/2020 Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☑ Additional Deliverables: ASP-13
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
44099-01	PH1-SV02-101320	10/14/20	10:26	12:26	-30	-7.52	SV	CLL	2.7L	113	0090	✓					

*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.

Relinquished By:	Date/Time	Received By:	Date/Time:
Andrew Nesci/Langan	10/14/20 15:10	George Wayne/AAL	10/14/20 1510
George Wayne	10/14/20 1816		
	10/15 0330		10/15/20 0300

ANALYTICAL REPORT

Lab Number:	L2044862
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Woo-Jun Kim
Phone:	(212) 479-5733
Project Name:	ONE 45
Project Number:	170635401
Report Date:	10/28/20

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: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2044862-01	PH1_SV04_101820	SOIL_VAPOR	691 LENOX AVE, HARLEM, NY	10/18/20 11:47	10/18/20
L2044862-02	PH2_SV04_101820	SOIL_VAPOR	691 LENOX AVE, HARLEM, NY	10/18/20 15:37	10/18/20
L2044862-03	PH2_SV01_101820	SOIL_VAPOR	691 LENOX AVE, HARLEM, NY	10/18/20 17:07	10/18/20
L2044862-04	UNUSED CAN #468	SOIL_VAPOR	691 LENOX AVE, HARLEM, NY		10/18/20

Project Name:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

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:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

Case Narrative (continued)

Report Revision

This report replaces the one previously issued on October 21, 2020. The report has been amended to correct the sample ID for L2044862-01 which had an O where a 0 should have been at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on October 13 and 16, 2020. The canister certification results are provided as an addendum.

L2044862-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2044862-01:The sample required a dilution greater than 4x; based on direction from the client the New York Decision Matrix Compounds have been reported by TO15-SIM for these samples.

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: 10/28/20

AIR

Project Name: ONE 45 ***Lab Number:*** L2044862

Project Number: 170635401 ***Report Date:*** 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-01 D
Client ID: PH1_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 11:47
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/20/20 22:35
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	2.52	1.11	--	12.5	5.49	--		5.556
Chloromethane	ND	1.11	--	ND	2.29	--		5.556
Freon-114	ND	1.11	--	ND	7.76	--		5.556
1,3-Butadiene	3.76	1.11	--	8.32	2.46	--		5.556
Bromomethane	ND	1.11	--	ND	4.31	--		5.556
Chloroethane	ND	1.11	--	ND	2.93	--		5.556
Ethanol	ND	27.8	--	ND	52.4	--		5.556
Vinyl bromide	ND	1.11	--	ND	4.85	--		5.556
Acetone	585	5.56	--	1390	13.2	--		5.556
Trichlorofluoromethane	ND	1.11	--	ND	6.24	--		5.556
Isopropanol	10.7	2.78	--	26.3	6.83	--		5.556
Tertiary butyl Alcohol	ND	2.78	--	ND	8.43	--		5.556
Methylene chloride	ND	2.78	--	ND	9.66	--		5.556
3-Chloropropene	ND	1.11	--	ND	3.47	--		5.556
Carbon disulfide	9.03	1.11	--	28.1	3.46	--		5.556
Freon-113	ND	1.11	--	ND	8.51	--		5.556
trans-1,2-Dichloroethene	ND	1.11	--	ND	4.40	--		5.556
1,1-Dichloroethane	ND	1.11	--	ND	4.49	--		5.556
Methyl tert butyl ether	ND	1.11	--	ND	4.00	--		5.556
2-Butanone	4.28	2.78	--	12.6	8.20	--		5.556
Ethyl Acetate	ND	2.78	--	ND	10.0	--		5.556
Chloroform	1.83	1.11	--	8.94	5.42	--		5.556
Tetrahydrofuran	ND	2.78	--	ND	8.20	--		5.556

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-01 D
Client ID: PH1_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 11:47
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	1.13	1.11	--	4.57	4.49	--		5.556
n-Hexane	25.6	1.11	--	90.2	3.91	--		5.556
Benzene	11.9	1.11	--	38.0	3.55	--		5.556
Cyclohexane	362	1.11	--	1250	3.82	--		5.556
1,2-Dichloropropane	ND	1.11	--	ND	5.13	--		5.556
Bromodichloromethane	ND	1.11	--	ND	7.44	--		5.556
Xylenes, Total	9.46	1.11	--	41.1	4.82	--		5.556
1,4-Dioxane	ND	1.11	--	ND	4.00	--		5.556
2,2,4-Trimethylpentane	ND	1.11	--	ND	5.18	--		5.556
Heptane	12.6	1.11	--	51.6	4.55	--		5.556
cis-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--		5.556
4-Methyl-2-pentanone	ND	2.78	--	ND	11.4	--		5.556
trans-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--		5.556
1,1,2-Trichloroethane	ND	1.11	--	ND	6.06	--		5.556
Toluene	24.7	1.11	--	93.1	4.18	--		5.556
2-Hexanone	ND	1.11	--	ND	4.55	--		5.556
Dibromochloromethane	ND	1.11	--	ND	9.46	--		5.556
1,2-Dibromoethane	ND	1.11	--	ND	8.53	--		5.556
Chlorobenzene	ND	1.11	--	ND	5.11	--		5.556
Ethylbenzene	1.86	1.11	--	8.08	4.82	--		5.556
p/m-Xylene	7.23	2.22	--	31.4	9.64	--		5.556
Bromoform	ND	1.11	--	ND	11.5	--		5.556
Styrene	ND	1.11	--	ND	4.73	--		5.556
1,1,2,2-Tetrachloroethane	ND	1.11	--	ND	7.62	--		5.556
o-Xylene	2.23	1.11	--	9.69	4.82	--		5.556
4-Ethyltoluene	ND	1.11	--	ND	5.46	--		5.556

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-01 D
Client ID: PH1_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 11:47
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	1.11	--	ND	5.46	--		5.556
1,2,4-Trimethylbenzene	1.67	1.11	--	8.21	5.46	--		5.556
Benzyl chloride	ND	1.11	--	ND	5.75	--		5.556
1,3-Dichlorobenzene	ND	1.11	--	ND	6.67	--		5.556
1,4-Dichlorobenzene	1.56	1.11	--	9.38	6.67	--		5.556
1,2-Dichlorobenzene	ND	1.11	--	ND	6.67	--		5.556
1,2,4-Trichlorobenzene	ND	1.11	--	ND	8.24	--		5.556
Hexachlorobutadiene	ND	1.11	--	ND	11.8	--		5.556

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: ONE 45 ***Lab Number:*** L2044862

Project Number: 170635401 ***Report Date:*** 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-01 D
Client ID: PH1_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 11:47
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/20/20 22:35
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.111	--	ND	0.284	--		5.556
1,1-Dichloroethene	ND	0.111	--	ND	0.440	--		5.556
cis-1,2-Dichloroethene	ND	0.111	--	ND	0.440	--		5.556
1,1,1-Trichloroethane	ND	0.111	--	ND	0.606	--		5.556
Carbon tetrachloride	0.144	0.111	--	0.906	0.698	--		5.556
Trichloroethene	0.411	0.111	--	2.21	0.597	--		5.556
Tetrachloroethene	42.8	0.111	--	290	0.753	--		5.556

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

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-02
Client ID: PH2_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 15:37
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/20/20 23:14
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.313	0.200	--	1.55	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	0.324	0.200	--	0.717	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	36.7	5.00	--	69.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	58.2	1.00	--	138	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	5.25	0.500	--	12.9	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.10	0.500	--	12.4	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.84	0.200	--	8.84	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	7.93	0.500	--	23.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: ONE 45 ***Lab Number:*** L2044862

Project Number: 170635401 ***Report Date:*** 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-02
Client ID: PH2_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 15:37
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	61.2	0.200	--	216	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	4.13	0.200	--	13.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.98	0.200	--	10.3	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylenes, Total	36.7	0.200	--	159	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	8.31	0.200	--	38.8	0.934	--		1
Heptane	25.0	0.200	--	102	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.74	0.500	--	11.2	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	10.3	0.200	--	38.8	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	29.2	0.200	--	198	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: ONE 45 ***Lab Number:*** L2044862

Project Number: 170635401 ***Report Date:*** 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-02
Client ID: PH2_SV04_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 15:37
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	5.76	0.200	--	25.0	0.869	--		1
p/m-Xylene	24.3	0.400	--	106	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	12.4	0.200	--	53.9	0.869	--		1
4-Ethyltoluene	1.29	0.200	--	6.34	0.983	--		1
1,3,5-Trimethylbenzene	2.45	0.200	--	12.0	0.983	--		1
1,2,4-Trimethylbenzene	7.08	0.200	--	34.8	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	103		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-03
Client ID: PH2_SV01_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 17:07
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/20/20 23:54
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.307	0.200	--	1.52	0.989	--		1
Chloromethane	0.373	0.200	--	0.770	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	5.52	0.200	--	12.2	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.530	0.200	--	1.40	0.528	--		1
Ethanol	7.45	5.00	--	14.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	31.7	1.00	--	75.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.23	0.500	--	3.02	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.09	0.500	--	3.30	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.34	0.200	--	13.5	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	16.0	0.500	--	47.2	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-03
Client ID: PH2_SV01_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 17:07
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	32.1	0.200	--	157	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.47	0.200	--	12.2	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.80	0.200	--	8.95	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.792	0.200	--	2.73	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylenes, Total	3.98	0.200	--	17.3	0.869	--		1
Bromodichloromethane	0.371	0.200	--	2.49	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	2.18	0.200	--	8.93	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.72	0.500	--	11.1	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.39	0.200	--	9.01	0.754	--		1
2-Hexanone	4.15	0.200	--	17.0	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	5.50	0.200	--	37.3	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

SAMPLE RESULTS

Lab ID: L2044862-03
Client ID: PH2_SV01_101820
Sample Location: 691 LENOX AVE, HARLEM, NY

Date Collected: 10/18/20 17:07
Date Received: 10/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	0.746	0.200	--	3.24	0.869	--		1
p/m-Xylene	2.79	0.400	--	12.1	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	1.19	0.200	--	5.17	0.869	--		1
4-Ethyltoluene	0.237	0.200	--	1.17	0.983	--		1
1,3,5-Trimethylbenzene	0.316	0.200	--	1.55	0.983	--		1
1,2,4-Trimethylbenzene	1.26	0.200	--	6.19	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	105		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/20 15:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG1424284-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: ONE 45 **Lab Number:** L2044862

Project Number: 170635401 **Report Date:** 10/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/20/20 14:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1424286-4								
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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ONE 45 **Lab Number:** L2044862

Project Number: 170635401 **Report Date:** 10/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/20/20 14:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1424286-4								
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	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

Project Name: ONE 45 **Lab Number:** L2044862

Project Number: 170635401 **Report Date:** 10/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/20/20 14:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1424286-4								
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
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: ONE 45

Project Number: 170635401

Lab Number: L2044862

Report Date: 10/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1424284-3								
Vinyl chloride	90		-		70-130	-		25
1,1-Dichloroethene	93		-		70-130	-		25
cis-1,2-Dichloroethene	89		-		70-130	-		25
1,1,1-Trichloroethane	101		-		70-130	-		25
Carbon tetrachloride	105		-		70-130	-		25
Trichloroethene	98		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE 45

Project Number: 170635401

Lab Number: L2044862

Report Date: 10/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1424286-3								
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	80		-		70-130	-		
Vinyl chloride	83		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	81		-		70-130	-		
Chloroethane	78		-		70-130	-		
Ethanol	91		-		40-160	-		
Vinyl bromide	79		-		70-130	-		
Acetone	86		-		40-160	-		
Trichlorofluoromethane	74		-		70-130	-		
Isopropanol	82		-		40-160	-		
1,1-Dichloroethene	87		-		70-130	-		
Tertiary butyl Alcohol	71		-		70-130	-		
Methylene chloride	97		-		70-130	-		
3-Chloropropene	105		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	79		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	85		-		70-130	-		
2-Butanone	101		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1424286-3								
Ethyl Acetate	100		-		70-130	-		
Chloroform	92		-		70-130	-		
Tetrahydrofuran	98		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	111		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	109		-		70-130	-		
Cyclohexane	111		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	121		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	113		-		70-130	-		
Heptane	121		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	128		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	82		-		70-130	-		
2-Hexanone	110		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ONE 45

Project Number: 170635401

Lab Number: L2044862

Report Date: 10/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1424286-3								
Tetrachloroethene	78		-		70-130	-		
Chlorobenzene	88		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	101		-		70-130	-		
Styrene	87		-		70-130	-		
1,1,2,2-Tetrachloroethane	100		-		70-130	-		
o-Xylene	89		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	75		-		70-130	-		
1,2,4-Trimethylbenzene	90		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	90		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	75		-		70-130	-		
Hexachlorobutadiene	83		-		70-130	-		

Project Name: ONE 45

Project Number: 170635401

Lab Number: L2044862

Report Date: 10/28/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2044862-01	PH1_SV04_101820	01935	SV20	10/13/20	332885		-	-	-	Pass	18.0	17.6	2
L2044862-01	PH1_SV04_101820	171	2.7L Can	10/13/20	332885	L2039912-03	Pass	-29.5	-5.9	-	-	-	-
L2044862-02	PH2_SV04_101820	01245	SV20	10/13/20	332885		-	-	-	Pass	19.1	18.7	2
L2044862-02	PH2_SV04_101820	376	2.7L Can	10/13/20	332885	L2039912-03	Pass	-29.5	-5.0	-	-	-	-
L2044862-03	PH2_SV01_101820	01141	SV20	10/13/20	332885		-	-	-	Pass	19.4	19.0	2
L2044862-03	PH2_SV01_101820	3106	2.7L Can	10/13/20	332885	L2042342-01	Pass	-29.8	-5.1	-	-	-	-
L2044862-04	UNUSED CAN #468	01029	Flow 4	10/16/20	333299		-	-	-	Pass	18.0	18.3	2
L2044862-04	UNUSED CAN #468	468	2.7L Can	10/16/20	333299	L2031581-01	Pass	-29.4	-30.0	-	-	-	-

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

Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/02/20 00:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	13.7	5.00	--	18.0	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: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2031581

Project Number: CANISTER QC BAT **Report Date:** 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/02/20 00:33
Analyst: TS

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

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

Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2031581
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2031581-01
Client ID: CAN 3225 SHELF 4
Sample Location:

Date Collected: 07/23/20 16:00
Date Received: 07/24/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/23/20 19:25
Analyst: TS

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

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

Lab Number: L2039912
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2039912
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/23/20 19:25
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2039912

Project Number: CANISTER QC BAT **Report Date:** 10/28/20

Air Canister Certification Results

Lab ID: L2039912-03
Client ID: CAN 2041 SHELF 10
Sample Location:

Date Collected: 09/23/20 09:00
Date Received: 09/23/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/10/20 18:41
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/10/20 18:41
Analyst: TS

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2042342
Report Date: 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2042342

Project Number: CANISTER QC BAT **Report Date:** 10/28/20

Air Canister Certification Results

Lab ID: L2042342-01
Client ID: CAN 180 SHELF 20
Sample Location:

Date Collected: 10/05/20 16:00
Date Received: 10/06/20
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	88		60-140

Project Name: ONE 45
Project Number: 170635401

Lab Number: L2044862
Report Date: 10/28/20

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(*)
L2044862-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2044862-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2044862-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2044862-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

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:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.

Report Format: Data Usability Report

Project Name:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

Data Qualifiers

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.

Report Format: Data Usability Report

Project Name:	ONE 45	**Lab Number:**	L2044862
Project Number:	170635401	**Report Date:**	10/28/20

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 10/18/20

ALPHA Job #: L2044862

Client Information

Client: Langan
Address: 360 West 31st Street, New York, NY
Phone: 212-479-5400
Fax: 212-479-5444
Email: wkim@Langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: ONC45
Project Location: 691 Lenox Ave Harlem, NY
Project #: 170635401
Project Manager: Wook.m
ALPHA Quote #: 12337

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Solvent Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
44862-01	PH1-SV04_101820	10/18/20	9:47	11:47	-30.34	-7.29	SV	ca	2.7L	1771	01935	✓					
02	PH2-SV04-101820	↓	13:37	15:37	-30.42	-6.22	SV	ca	2.7L	376 (347)	1245	✓					
03	PH2-SV01-101820	↓	15:07	17:07	-30.11	-6.36	SV	ca	2.7	3106	01141	✓					

*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.

Relinquished By:	Date/Time	Received By:	Date/Time:
Marcus Nesci/Langan	10/18/20 17:20		10/18/20 17:20
	10/19/20 21:40		10/20/20 21:50

Form No: 101-02 Rev: (25-Sep-15)