

May 14, 2019

Morrison Cohen LLP
909 Third Avenue
New York, NY 10022-4784

Attn: Jon S. Margolis

Re: Due Diligence Investigation
254 Scholes Street – Brooklyn, NY 11206
Block 3046, Lots 22, 24, 26, 27, 47, 48, and 49 (the “Site”)

Dear Jon,

On February 12 and 13 and April 17 and 18, 2019, Tenen Environmental, LLC (Tenen) conducted soil vapor, soil and groundwater sampling at the above Site on behalf of Morrison Cohen LLP. On March 18, 2019 indoor air sampling was conducted at the Site to evaluate any potential vapor intrusion threats to worker safety requiring immediate action. This letter report provides a summary of our findings, including the results of the laboratory analysis, conclusions and recommendations.

Background

The Site, located at 254 Scholes Street, Brooklyn, New York (Tax Block 3046, Lots 22, 24, 26, 27, 47, 48 and 49) is an irregular-shaped parcel that fronts the south side of Scholes Street, extending south to Meserole Street, between Bushwick Avenue and Waterbury Street, as shown on Figure 1. The total Site area is approximately 27,500 square feet (SF). The Site lot has approximately 150 feet of frontage along Scholes Street and 125 feet of frontage along Meserole Street, and is approximately 200 feet deep. The Site is zoned M1-1, denoting a light industrial use area that allows for some commercial use. The Site lots are currently occupied with warehouse-style buildings, used for armored car activities including light vehicle maintenance, and surface parking areas.

A draft Phase I Environmental Site Assessment, conducted by Tenen in February 2019 identified the following Recognized Environmental Conditions (RECs):

- Current use of a portion of the Site for light duty vehicle maintenance;
- Historic use of the Site for machine repair, machine shops, printing, unspecified manufacturing and a textile/knit mill;
- Historic uses of the adjoining properties for machine shops, brass works, manufacturing, blacksmithing, auto wrecking, chemical filling, knit good processing and industrial-sized brewing facilities; and,
- Presence of a large quantity generator of ignitable hazardous wastes on an adjoining property.

Soil vapor, soil and groundwater sampling was completed to further investigate the potential presence of petroleum or hazardous materials at the Site on the above dates in February and April 2019. Indoor air sampling was conducted on March 18, 2019 to evaluate any potential vapor intrusion threats to worker safety.

Hydrogeology

The Site is underlain by fill and sands extending to the groundwater interface [approximately 32 to 37 feet below grade (ft-bg)]. The fill layer ranges from two to 20 feet thick and consists of brown to red silty sand with concrete, brick and glass fragments. The sand is fine to coarse with few cobbles at shallower depths. Boring logs for SB-1 through SB-10, SB-8-E, and SB-1-N are presented in Attachment 2.

Geophysical Investigation

On April 17, 2019, a geophysical survey was performed at the Site by Cascade Technical Services (Cascade) across Lots 22, 47, 48, 49 and the northern portion of Lot 27 to investigate the presence of any underground storage tanks (USTs) and to clear proposed boring locations. No USTs were identified onsite during the performance of the geophysical investigation.

Sample Collection

Soil Vapor

On February 12 and 13, 2019, Cascade installed four soil vapor points and on April 17, 2019, Tenen installed one soil vapor point, as shown on Figure 2. Three samples (SS-1 through SS-3) were collected within the existing buildings and one sample (SV-1) was collected from the exterior parking lot along Meserole Street on February 13, 2019, and one sample (SS-4) was collected within the basement located on Lot 24 on April 18, 2019.

Soil Vapor Sample Designations – February and April 2019

Sample Name	Sample Type	Sample Location
SS-1	Indoor soil vapor	Southern portion of Lot 22
SS-2	Indoor soil vapor	Northern portion of Lot 24
SS-3	Indoor soil vapor	Northeastern portion of Lot 22
SS-4	Indoor soil vapor	Basement of Lot 24
SV-1	Exterior soil vapor	Northern portion of Lot 47

At each soil vapor sampling location, a ½-inch diameter, 6-inch long perforated soil vapor sampling probe (AMS gas vapor probe tip) was placed directly into the soil. Soil vapor sampling locations SS-1 through SS-3 and SV-1 were installed with a direct push track-mounted Geoprobe® and soil vapor sample location SS-4 was installed with a hammer-core drill. Access to the sub-slab soil at soil vapor sampling location SS-4 was gained by drilling through the top surface material (concrete) using a drill bit. All probes were installed approximately six-inches below the bottom of the existing concrete or asphalt slab.

The soil vapor sampling probe was connected to dedicated tubing that was extended to grade. In accordance with the New York State Department of Health (NYSDOH) October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Soil Vapor Guidance) protocols, a tracer gas (helium) was used to verify the integrity of the soil vapor probe. A plastic chamber was sealed above the borehole. The sampling tube was pushed through the top of the sealed chamber. The atmosphere inside the chamber was enriched with the tracer gas (helium). A portable helium monitor was attached to the sampling tube to measure a vapor sample from the probe for the presence of high concentrations (>10%) of the tracer gas.

Soil vapor was purged from the boring hole by attaching the surface end of the tubing to an air valve and then to a vacuum pump. The vacuum pump removed one to three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and sample collection did not exceed 0.2 liters per minute.

The soil vapor sample was first screened for organic vapors using a photoionization detector (PID). Pre-sample PID readings from the soil vapor points varied from non-detect to 5.5 parts per million (ppm). Soil vapor samples were collected in 2.7-liter Summa canisters using two-hour regulators and analyzed for volatile organic compounds (VOCs) using EPA Method TO-15.

Field notes were maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected and chain of custody protocols.

Indoor Air

On March 18, 2019, Tenen collected four indoor air samples (IA-1 through IA-4) and one ambient air sample (AA-1) as shown on Figure 2.

Indoor Air Sample Designations – March 2019

Sample Name	Sample Type	Sample Location
IA-1	Indoor Air	Ground level office in the northwest portion of Lot 22
IA-2	Indoor Air	Northeastern portion of Lot 22 in the vicinity of soil vapor sample SS-3
IA-3	Indoor Air	Below-grade vault in the western portion of Lot 24
IA-4	Indoor Air	Second-floor office in the southern portion of Lot 24
AA-1	Ambient Air	Northeast corner of Lot 47

Indoor air and ambient air samples were collected in the breathing zone (approximately three to five feet above the floor) in accordance with the New York State Department of Health (NYSDOH) October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Soil Vapor Guidance) protocols. Samples were collected in six-liter, batch-certified clean Summa canisters using eight-hour regulators, consistent with the non-residential use of the Site. Samples were collected at flow rates no greater than 0.2 liters per minute and analyzed for VOCs using EPA Method TO-15.

Field notes were maintained summarizing sample identification, date and time of sample collection, identity of samplers, sampling methods and devices, vacuum of canisters before and after samples were collected and chain of custody protocols.

Soil

On February 12, 2019, three soil borings (SB-1 through SB-3) were advanced on the Site to depths of 35 ft-bg (SB-2 and SB-3) and 40 ft-bg (SB-1), and converted to temporary groundwater monitoring wells (MW-1 through MW-3). On February 13, 2019, three additional soil borings (SB-4 through SB-6) were advanced at the Site to a depth of 35 ft-bg. On April 17, 2019, four additional soil borings (SB-8, SB-8-E, SB-9, and SB-1-N) were advanced at the Site to depths of 15 ft-bg (SB-1-N and SB-8-E), 25 ft-bg (SB-8) and 40 ft-bg (SB-9). SB-8 and SB-9 were also converted to temporary groundwater monitoring wells. On April 18, 2019, two additional soil borings (SB-7 and SB-10) were advanced at the Site to a depth of 35 ft-bg. SB-7 was also converted to a temporary monitoring well. Boring locations are shown on Figure 2. A table detailing the soil sampling locations and sample designations is included below.

Soil Sample Borings, Sample Designations and Descriptions of Location

Sample Name	Depth Below Sidewalk Grade (ft-bg)	Location
SB-1 (7-9)	7-9	Center of Lot 22 along eastern perimeter
SB-1-N (13-15)	13-15	Center of Lot 22 along eastern perimeter, approximately 5 feet north of boring SB-1
SB-2 (0-2)	0-2	Northern portion of Lot 48
SB-3 (31-33)	31-33	Southern portion of Lot 26
SB-4 (13-15)	13-15	Southeast portion of Lot 22
SB-5 (0-2)	0-2	Southeast portion of Lot 49
SB-6 (3-5)	3-5	Northeast portion of Lot 27
SB-7 (33-35)	33-35	Center of Lot 47 along eastern perimeter
SB-8-E (5-10)	5-10	Northern portion of Lot 27 along eastern perimeter
SB-10 (3-5)	3-5	Northwest portion of Lot 49

The boring and monitoring well installation was performed by Cascade utilizing a direct push track-mounted Geoprobe®. The soil from all borings was screened with a PID from grade to termination depth. Sample PID readings ranged from 0.5 ppm in SB-1-N to 411.7 ppm in SB-1 (7-9). No PID readings were detected in soils from SB-2 through SB-7. All samples were collected using dedicated acetate liners from five-foot macrocores.

No grossly contaminated soil cuttings were encountered during this investigation. Stained soil and oil-like material were encountered in SB-8-E from five to 15 ft-bg. Excess soil cuttings were drummed onsite in a 55-gallon drum provided by Cascade. Following the completion of the soil sampling, boreholes were backfilled with clean soil cuttings/clean sand. Borings SB-1 to SB-3 and SB-7 to SB-9 were converted to temporary monitoring wells, as detailed in the following section. Boring and monitoring well construction logs are included as Attachment 2.

Soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. A record of each sample, including notation of any odors, color, and sample matrix, was kept in the sampler's field log book. A chain of custody was maintained throughout the field sampling, transport of samples to the laboratory and lab analysis. All soil samples were analyzed for VOCs. Sample SB-1 (7-9) was also analyzed for semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and metals. Sample SB-1-N (13-15) was analyzed for VOCs plus ten tentatively identified compounds (TICs) given the previously detected PID readings in nearby boring SB-1, but with no target VOCs in soil above regulatory standards.

Soil sample SB-1 (13-15), was collected by Tenen on February 12, 2019 to be analyzed for VOCs after a PID reading of 595.8 ppm was recorded at this location. The soil sample was lost in transit to the analytical laboratory and was therefore not analyzed.

Groundwater

Six one-inch diameter, temporary groundwater monitoring wells, MW-1 through MW-6, were installed at SB-1 through SB-3 and SB-7 through SB-9 on February 12, 2019 (MW-1 to MW-3), April 17, 2019 (MW-5 and MW-6), and April 18, 2019 (MW-4) using a direct push track-mounted Geoprobe®. MW-1 was installed to a depth of 45 ft-bg, MW-2 through MW-4 were installed to a depth of 40 ft-bg, MW-5 was installed to a depth of 39 ft-bg and MW-6 was installed to a depth of 44 ft-bg based upon groundwater depths encountered in soil

borings SB-1 to SB-3 and SB-7 to SB-9. Groundwater was measured at depths ranging from approximately 32.03 ft-bg in MW-5 to 37.31 ft-bg in MW-1.

Monitoring Well Locations, Sample Designations, and Descriptions of Location

Well Location	Sample Name	Description of Location
MW-1	MW-1	Center of Lot 22 along eastern perimeter
MW-2	MW-2	Northern portion of Lot 48
MW-3	MW-3	Southern portion of Lot 26
MW-4	MW-4	Center of Lot 47 along eastern perimeter
MW-5	MW-5	Northern portion of Lot 27
MW-6	MW-6	Southern portion of Lot 22, approximately 3 feet south of soil vapor sampling location SS-1

Monitoring wells MW-1 through MW-3 were developed and sampled on February 13, 2019 and monitoring wells MW-4 through MW-6 were developed and sampled on April 18, 2019. A PID was used to measure headspace readings in the wells prior to sampling. Readings varied from 0.5 ppm in MW-3 to 271.6 ppm in MW-1. Headspace readings in MW-2 and MW-4 were non-detect. Field instrumentation was employed to measure water temperature, pH, turbidity, and dissolved oxygen in the sampled wells in order to stabilize parameters before sample collection. Sampling was completed using a 0.75-inch diameter low-flow stainless steel bladder pump. No visual evidence of petroleum impacts was observed in the purged groundwater. A trip blank was submitted along with the groundwater samples for VOC analysis to the analytical laboratory as a quality assurance/quality control (QA/QC) measure.

Monitoring well construction logs are included as Attachment 2. Groundwater purge logs are included as Attachment 3.

Sample Analysis

The samples were sent under chain-of-custody documentation to Alpha Analytical, Inc. (Alpha). Alpha is certified by the NYSDOH Environmental Laboratory Approval Program (ELAP) as LABIDs 11627 and 11148. Soil vapor, indoor air, and ambient air samples were analyzed for VOCs. All soil samples were analyzed for VOCs. Soil sample SB-1 (7-9) was also analyzed for SVOCs, pesticides, PCBs and metals and soil sample SB-1-N (13-15) was also analyzed for an additional ten VOC TICs. Groundwater samples were analyzed for VOCs.

Analytical Results

Soil Vapor

Soil vapor results were compared to the Environmental Protection Agency (EPA) Vapor Intrusion Screening Limits (VISL), Commercial Target Sub-Slab Soil Gas Concentrations (TSSGC).

Soil vapor results are included in Table 1 and Figures 3 and 4. Laboratory deliverables are included in Attachment 1. The analytical results are summarized below.

Chlorinated VOCs (cVOCs) were detected in some soil vapor samples, with the highest concentrations generally occurring in SS-4. Trichloroethene (TCE) was detected in exceedance of its respective commercial EPA-VISL-TSSGC in one sample (SS-4) and chloroform was detected in exceedance of its respective commercial EPA-VISL-TSSGC in two of five soil vapor samples (SS-3 and SS-4). It should be noted that tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-

dichloroethane, and carbon tetrachloride were also detected in one or more soil vapor samples, but below their respective commercial EPA-VISL-TSSGCs.

TCE was detected at a max concentration of 513 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in SS-4; chloroform was detected at a max concentration of $67.9 \mu\text{g}/\text{m}^3$ in SS-4; PCE was detected at a max concentration of $119 \mu\text{g}/\text{m}^3$ in SS-4; 1,1,1-TCA was detected at a max concentration of $45.6 \mu\text{g}/\text{m}^3$ in SS-1; cis-1,2-DCE was detected at a max concentration of $500 \mu\text{g}/\text{m}^3$ in SS-4; 1,2-dichloroethane was detected at a max concentration of $8.22 \mu\text{g}/\text{m}^3$ in SS-4; and carbon tetrachloride was detected at a max concentration of $21.5 \mu\text{g}/\text{m}^3$ in SS-4.

No petroleum-related VOCs were detected in exceedance of commercial EPA-VISL-TSSGCs in any soil vapor samples collected. It should be noted a variety of petroleum-related VOCs were detected at in one or more soil vapor samples below commercial EPA-VISL-TSSGCs, specifically benzene, toluene, ethylbenzene, xylenes, ethanol, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. Benzene was detected at a max concentration of $19.6 \mu\text{g}/\text{m}^3$ in SS-2; toluene was detected at a max concentration of $36.8 \mu\text{g}/\text{m}^3$ in SS-1; ethylbenzene was detected at a max concentration of $8.82 \mu\text{g}/\text{m}^3$ in SS-1; total xylenes were detected at a max concentration of $43.3 \mu\text{g}/\text{m}^3$ in SS-1; ethanol was detected at a max concentration of $154 \mu\text{g}/\text{m}^3$ in SS-4; 1,2,4-trimethylbenzene was detected at a max concentration of $18.4 \mu\text{g}/\text{m}^3$ in SV-1; and 1,3,5-trimethylbenzene was detected at a max concentration of $8.6 \mu\text{g}/\text{m}^3$ in SV-1.

Indoor Air

Indoor air results were compared to the EPA VISL, Commercial Target Indoor Air Concentrations (TIAC).

Indoor air results are included in Table 2 and Figure 5. Laboratory deliverables are included in Attachment 1. The analytical results are summarized below.

CVOCs were not detected in any samples in exceedance of the commercial EPA-VISL-TIACs. It should be noted that PCE was detected at low concentrations in all four indoor air samples (max. concentration $0.509 \mu\text{g}/\text{m}^3$ in IA-1); carbon tetrachloride was detected at low concentrations in all four indoor air samples (max. concentration $0.447 \mu\text{g}/\text{m}^3$ in IA-1); TCE was detected at low concentrations in two indoor air samples (max. concentration $0.188 \mu\text{g}/\text{m}^3$ in IA-1); and methylene chloride was detected at low concentrations in two indoor air samples (max. concentration $5.25 \mu\text{g}/\text{m}^3$ in IA-3).

One petroleum-related VOC, benzene, was detected at a concentration of $1.67 \mu\text{g}/\text{m}^3$ in sample IA-1, slightly in exceedance of its commercial EPA-VISL-TIAC of $1.6 \mu\text{g}/\text{m}^3$. Benzene was also detected in all other indoor air samples and the ambient air sample collected, although at lower concentrations. However, the maximum concentration of benzene detected is lower than the EPA BASE 25th Percentile for indoor air as referenced in NYSDOH Soil Vapor Guidance Table C2, which incorporates data from public and office buildings. Additionally, the OSHA PEL for benzene for eight hours is 1 ppm (or approximately $3,190 \mu\text{g}/\text{m}^3$ at standard temperature and pressure), well above the detected concentrations. A variety of other petroleum-related VOCs were detected in indoor air samples, specifically ethanol (max. concentration $1,080 \mu\text{g}/\text{m}^3$ in IA-3), toluene (max. concentration $724 \mu\text{g}/\text{m}^3$ in IA-4), and isopropanol (max. concentration $37.1 \mu\text{g}/\text{m}^3$ in IA-1).

Soil

The soil results were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use soil cleanup objectives (SCOs) as listed in 6 NYCRR Part 375-6.8(a) and Protection of Groundwater and Commercial Use SCOs as listed in 6 NYCRR Part 375-6.8(b), and the October 21, 2010 NYSDEC DEC Policy CP-51. The Unrestricted Use SCOs and Protection of Groundwater SCOs are used as a screening value; the Commercial Use SCOs are consistent with the assumed future use of the Site.

Soil sample results are included in Table 3 and Figure 6. Laboratory deliverables are included in Attachment 1. The analytical results are summarized below.

All VOCs, SVOCs, pesticides, PCBs and metals were detected below the Unrestricted Use and Commercial Use SCOs. VOC TICs were not detected in sample SB-1-N (13-15).

Low levels of cVOCs were detected in several soil samples. PCE was detected in five of ten soil samples with a max concentration of 0.0021 milligrams per kilogram (mg/kg) in SB-3 (31-33). Cis-1,2-dichloroethene (cis-1,2-DCE) and 1,1-dichloroethane (1,1-DCA) were detected in one sample (SB-3 [31-33]), collected at the groundwater interface, at concentrations of 0.014 mg/kg and 0.00041 mg/kg, respectively. TCE was detected in one soil sample (SB-7 [33-35]), collected at the groundwater interface, at a concentration of 0.00024 mg/kg.

Low levels of petroleum-related VOCs were detected in three of ten soil samples collected. Benzene was detected at a max concentration of 0.00038 mg/kg in SB-2 (0-2); ethylbenzene was detected at a max concentration of 0.048 mg/kg in SB-10 (3-5); total xylenes were detected at a max concentration of 0.0084 mg/kg in SB-8-E (5-10); methyl tertiary-butyl ether (MTBE) was detected at a max concentration of 0.00076 mg/kg in SB-2 (0-2); isopropylbenzene was detected at a max concentration of 0.19 mg/kg in SB-10 (3-5); 1,2,4-trimethylbenzene was detected at a max concentration of 1.6 mg/kg in SB-10 (3-5) and 1,3,5-trimethylbenzene was detected at a max concentration of 0.79 mg/kg in SB-10 (3-5).

Groundwater

The groundwater results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards).

Groundwater sample results are included in Table 4 and Figures 7 and 8. Laboratory deliverables are included in Attachment 1. The analytical results are summarized below.

A variety of cVOCs were detected in exceedance of Class GA Standards in five of six groundwater samples collected, with the highest concentrations of cVOCs generally occurring in MW-6. TCE was detected at a max concentration of 16 micrograms per liter (µg/l) in MW-3; PCE was detected at a max concentration of 7.6 µg/l in MW-4; vinyl chloride was detected at a max concentration of 150 µg/l in MW-3; cis-1,2-DCE was detected at a max concentration of 290 µg/l in MW-6; 1,1,2-TCA was detected at a max concentration of 16 µg/l in MW-6; 1,2-dichlorobenzene was detected at a max concentration of 1,900 µg/l in MW-6; and 1,4-dichlorobenzene was detected at a max concentration of 770 µg/l in MW-6.

A variety of petroleum-related VOCs were detected in exceedance of Class GA Standards in one or more monitoring wells, with the highest concentrations generally occurring in MW-2. Benzene was detected at a max concentration of 14 µg/l in MW-6; toluene was detected at a max concentration of 9.2 µg/l in MW-6; ethylbenzene was detected at a max concentration of 12 µg/l in MW-2; o-xylene was detected at a max concentration of 18 µg/l MW-2; p/m-xylene was detected at a max concentration of 7.7 µg/l in MW-2; isopropylbenzene was detected at a max concentration of 5.9 µg/l in MW-2; and 1,2,4-trimethylbenzene was detected at a concentration of 7.6 µg/l in MW-2.

Findings and Conclusions

The due diligence investigation indicated the following:

Soil Vapor:

- The soil vapor sample collected in the basement of Lot 24 contain levels of TCE above the commercial EPA-VISL-TSSGC. The soil vapor sample collected in the basement of Lot 24 also detected levels of PCE, cis-1,2-DCE, and 1,1,1-TCA, 1,2-dichloroethane, and carbon tetrachloride below their respective commercial EPA-VISL-TSSGCs.
- Petroleum-related VOCs, specifically benzene, toluene, ethylbenzene, xylenes, ethanol, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were detected in soil vapor samples across the Site. While the highest concentrations were generally detected on the western portion of the Site (Lot 22), no petroleum-related VOCs were detected in exceedance of commercial EPA-VISL-TSSGCs anywhere at the Site.

Indoor Air:

- Based upon the detected concentrations of chlorinated solvents and petroleum-related hydrocarbons in indoor air, Tenen concludes that there is no meaningful soil vapor intrusion condition at the Site that would require immediate action.

Soil:

- VOCs, SVOCs, pesticides, PCBs and metals were not detected in exceedance of Unrestricted Use, Protection of Groundwater or Commercial Use SCOs in *any* soil samples collected.
- Low levels of cVOCs were detected in soil samples located on the light vehicle maintenance Lots 26 and 27, as well as on lots 22 and 47.
- Low levels of a variety of petroleum-related VOCs were detected in soil samples collected on Lots 48 and 49.
- Petroleum compounds were not detected at elevated concentrations in the soil samples collected in the area of the light vehicle maintenance activities, namely, lots 26 and 27.

Groundwater:

- A variety of cVOCs, specifically PCE, TCE, cis-1,2-DCE, vinyl chloride, 1,1,2-TCA, 1,2-dichlorobenzene and/or 1,4-dichlorobenzene were detected in exceedance of Class GA Standards in five of six monitoring wells sampled, with the highest concentrations generally occurring in the presumed upgradient well on Lot 22 (MW-6).
- Petroleum-related VOCs, including benzene, toluene, ethylbenzene, xylenes, isopropylbenzene and 1,2,4-trimethylbenzene, were detected in exceedance of Class GA Standards in four of the six monitoring wells, with the highest concentrations detected on Lot 22 or Lot 48; lower concentrations of benzene were detected in the area of the light vehicle maintenance activities, namely, lot 26 (MW-3).

Based upon petroleum hydrocarbon concentrations detected in groundwater and soil vapor, a spill was reported to the NYSDEC Spill Hotline (Spill No. 1812027) on March 6, 2019. Kumar Patel has been designated the NYSDEC project manager.

Of somewhat greater significance, dry cleaning solvents and their breakdown components were found to be present in the groundwater, soil and soil vapor at the Site. The presence of both the chlorinated solvents and the petroleum hydrocarbon combination should be addressed in coordination with NYSDEC. However, indoor air results reflect that there is no immediate cause for concern as to the workers who currently occupy the Site building as there is no meaningful soil vapor intrusion condition at the Site. Indoor air concentrations are consistent with the current use of the Site as an armored car facility.

Please contact us if you need any additional information.

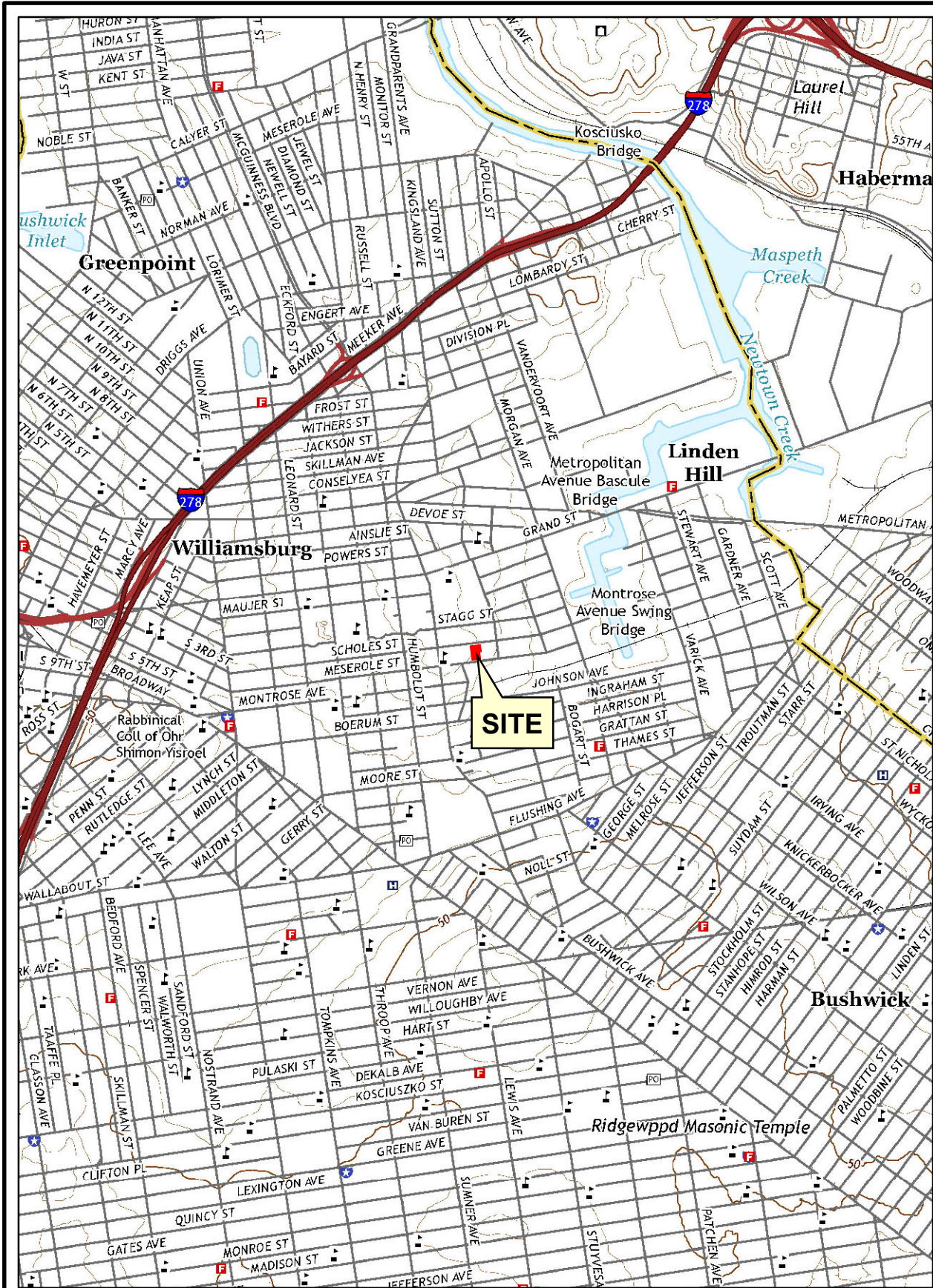
Sincerely,
Tenen Environmental, LLC



Matthew Carroll, P.E.
Principal / Environmental Engineer

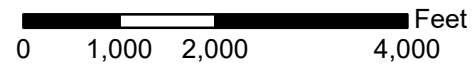
Figure 1	Site Location
Figure 2	Sample Locations
Figure 3	CVOCs in Soil Vapor
Figure 4	Petroleum VOCs in Soil Vapor
Figure 5	VOCs in Indoor Air
Figure 6	VOCs in Soil
Figure 7	CVOCs in Groundwater
Figure 8	Petroleum VOCs in Groundwater
Table 1	Volatile Organic Compounds in Soil Vapor
Table 2	Volatile Organic Compounds in Indoor Air
Table 3	Soil Analytical Results
Table 4	Volatile Organic Compounds in Groundwater
Attachment 1	Laboratory Deliverables
Attachment 2	Boring and Monitoring Well Construction Logs
Attachment 3	Groundwater Purge Logs

Figures



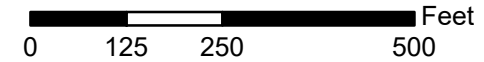
Basemap: USGS Topographic Map, 7.5 Minute Quadrangle, Brooklyn, NY, 2016

Site Location



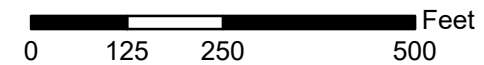
<http://gis.nyc.gov/taxmap/map.htm>

Department of Finance Digital Tax Map



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community
NYC Department of City Planning, Information Technology Division

Department of City Planning MapPLUTO - 2018 v1



Site

TENEN ENVIRONMENTAL

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By LM

Checked By SB

Date February 2019

Scale As Noted

Site Location Map

Figure 1

Drawing Title

Drawing No

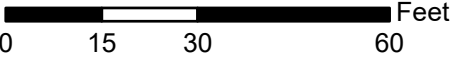
Scholes Street

Meserole Street



Legend

- Soil Sample Location
- Groundwater Sample Location
- Soil and Groundwater Sample Location
- Soil Vapor Sample Location
- Indoor Air Sample Location
- Ambient Air Sample Location
- Lot Lines
- Site Boundary
- On-site Buildings



Source: New York City Dept. of Finance Digital Tax Map

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

TENEN ENVIRONMENTAL

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

Drawn By	LM
Checked By	AP
Date	May 2019
Scale	As Noted

Sample Location Map

Figure 2

Scholes Street

Sample ID	SS-2
Date	2/13/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	ND
Trichloroethene	ND
Cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon Tetrachloride	ND
Chloroform	2.68
1,2-Dichloroethane	ND

Sample ID	SS-3
Date	2/13/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	104
Trichloroethene	83.3
Cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	26
Carbon Tetrachloride	ND
Chloroform	32.7
1,2-Dichloroethane	ND

Sample ID	SS-4
Date	4/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	119
Trichloroethene	513
Cis-1,2-Dichloroethene	500
1,1,1-Trichloroethane	39.9
Carbon Tetrachloride	21.5
Chloroform	67.9
1,2-Dichloroethane	8.22

Sample ID	SV-1
Date	2/13/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	ND
Trichloroethene	ND
Cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon Tetrachloride	ND
Chloroform	ND
1,2-Dichloroethane	ND

Sample ID	SS-1
Date	2/13/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	15.1
Trichloroethene	29.9
Cis-1,2-Dichloroethene	ND
1,1,1-Trichloroethane	45.6
Carbon Tetrachloride	ND
Chloroform	7.91
1,2-Dichloroethane	ND

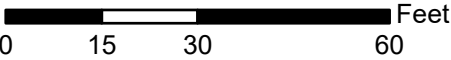


Analyte	EPA-VISL-COM-TSSGC
VOCs	µg/m ³
Tetrachloroethene	1600
Trichloroethene	100
Cis-1,2-Dichloroethene	NS
1,1,1-Trichloroethane	730000
Carbon Tetrachloride	68
Chloroform	18
1,2-Dichloroethane	16

Notes:
1. Bold and shaded yellow value indicates concentration exceeds EPA-VISL-COM-TSSGC
2. EPA-VISL-COM-TSSGC = Environmental Protection Agency Vapor Intrusion Screening Limits, Commercial Target Sub-Slab Soil Gas Concentrations
3. ND = Not detected
4. NS = No Standard
5. µg/m ³ = micrograms per cubic meter

Legend

- ▲ Soil Vapor Sample Location
- Lot Lines
- Site Boundary
- On-site Buildings



Meserole Street

Source: New York City Dept. of Finance Digital Tax Map

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

TENEN ENVIRONMENTAL

Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York, NY 10001
O: (646) 606-2332
F: (646) 606-2379

CVOCs in Soil Vapor

Figure 3

Scholes Street

Sample ID	SS-2
Date	2/13/2019
VOCs	µg/m ³
Benzene	19.6
Toluene	11.3
Ethylbenzene	2.19
Xylene, Total	10.94
1,2,4-Trimethylbenzene	3.65
1,3,5-Trimethylbenzene	ND

SS-2

Lot 27

Lot 26

Lot 28

Lot 30

Lot 31

Sample ID	SS-3
Date	2/13/2019
VOCs	µg/m ³
Benzene	6.1
Toluene	21.3
Ethylbenzene	5.73
Xylene, Total	28.66
1,2,4-Trimethylbenzene	10.5
1,3,5-Trimethylbenzene	2.51

SS-3

Block 3046
Lot 24

Sample ID	SS-4
Date	4/18/2019
VOCs	µg/m ³
Benzene	1.43
Toluene	6.97
Ethylbenzene	ND
Xylene, Total	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND

Lot 49

Lot 22

Lot 16

SS-1

Sample ID	SS-1
Date	2/13/2019
VOCs	µg/m ³
Benzene	6.39
Toluene	36.8
Ethylbenzene	5.73
Xylene, Total	43.3
1,2,4-Trimethylbenzene	13.2
1,3,5-Trimethylbenzene	3.84

Lot 48

Lot 47

Lot 42

Sample ID	SV-1
Date	2/13/2019
VOCs	µg/m ³
Benzene	5.91
Toluene	23.9
Ethylbenzene	7.56
Xylene, Total	32.99
1,2,4-Trimethylbenzene	18.4
1,3,5-Trimethylbenzene	8.6

SV-1

Meserole Street

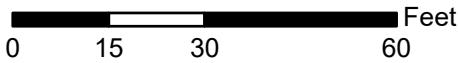


Analyte	EPA-VISL-COM-TSSGC
VOCs	µg/m ³
Benzene	52
Toluene	730000
Ethylbenzene	160
Xylene, Total	15000
1,2,4-Trimethylbenzene	8800
1,3,5-Trimethylbenzene	8800

Notes:
1. Bold and shaded yellow value indicates concentration exceeds EPA-VISL-COM-TSSGC
2. EPA-VISL-COM-TSSGC = Environmental Protection Agency Vapor Intrusion Screening Limits, Commercial Target Sub-Slab Soil Gas Concentrations
3. ND = Not detected
4. µg/m ³ = micrograms per cubic meter

Legend

- ▲ Soil Vapor Sample Location
- Lot Lines
- Site Boundary
- On-site Buildings



Source: New York City Dept. of Finance Digital Tax Map

Site

TENEN
ENVIRONMENTAL

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F: (646) 606-2379

Drawn By
LM

Checked By
AP

Date
May 2019

Scale
As Noted

Petroleum VOCs in Soil Vapor

Figure 4

Drawing No

Drawing Title

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

Scholes Street

Meserole Street

Sample ID	IA-1
Date	3/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	0.509
Trichloroethene	0.188
Carbon Tetrachloride	0.447
Methylene Chloride	ND
Petroleum-Related VOCs	
Benzene	1.67
Toluene	85.5
Isopropanol	37.1

Sample ID	IA-4
Date	3/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	0.244
Trichloroethene	ND
Carbon Tetrachloride	0.434
Methylene Chloride	1.82
Petroleum-Related VOCs	
Benzene	0.91
Toluene	724
Isopropanol	17.2

Sample ID	IA-2
Date	3/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	0.258
Trichloroethene	0.113
Carbon Tetrachloride	0.39
Methylene Chloride	ND
Petroleum-Related VOCs	
Benzene	1.54
Toluene	164
Isopropanol	10.6

Sample ID	AA-1
Date	3/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	ND
Trichloroethene	ND
Carbon Tetrachloride	0.459
Methylene Chloride	ND
Petroleum-Related VOCs	
Benzene	0.792
Toluene	4.37
Isopropanol	ND

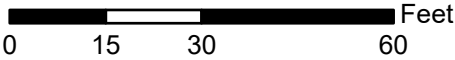
Sample ID	IA-3
Date	3/18/2019
Chlorinated VOCs	µg/m ³
Tetrachloroethene	0.305
Trichloroethene	ND
Carbon Tetrachloride	0.396
Methylene Chloride	5.25
Petroleum-Related VOCs	
Benzene	0.895
Toluene	350
Isopropanol	34.9

Analyte	EPA-VISL-COM-TIAC
Chlorinated VOCs	µg/m ³
Tetrachloroethene	47
Trichloroethene	3
Carbon Tetrachloride	2
Methylene Chloride	1200
Petroleum-Related VOCs	
Benzene	1.6
Toluene	22000
Isopropanol	880

Notes:
1. Bold and shaded yellow value indicates concentration exceeds EPA-VISL-COM-TIAC
2. EPA-VISL-COM-TIAC = Environmental Protection Agency Vapor Intrusion Screening Limits, Commercial Target Indoor Air Concentrations
3. Only indoor air results are compared to EPA-VISL COM-TIAC
4. ND = Not detected
5. µg/m ³ = micrograms per cubic meter

Legend

- Ambient Air Sample Location
- Indoor Air Sample Location
- Lot Lines
- Site Boundary
- On-site Buildings



Source: New York City Dept. of Finance Digital Tax Map

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

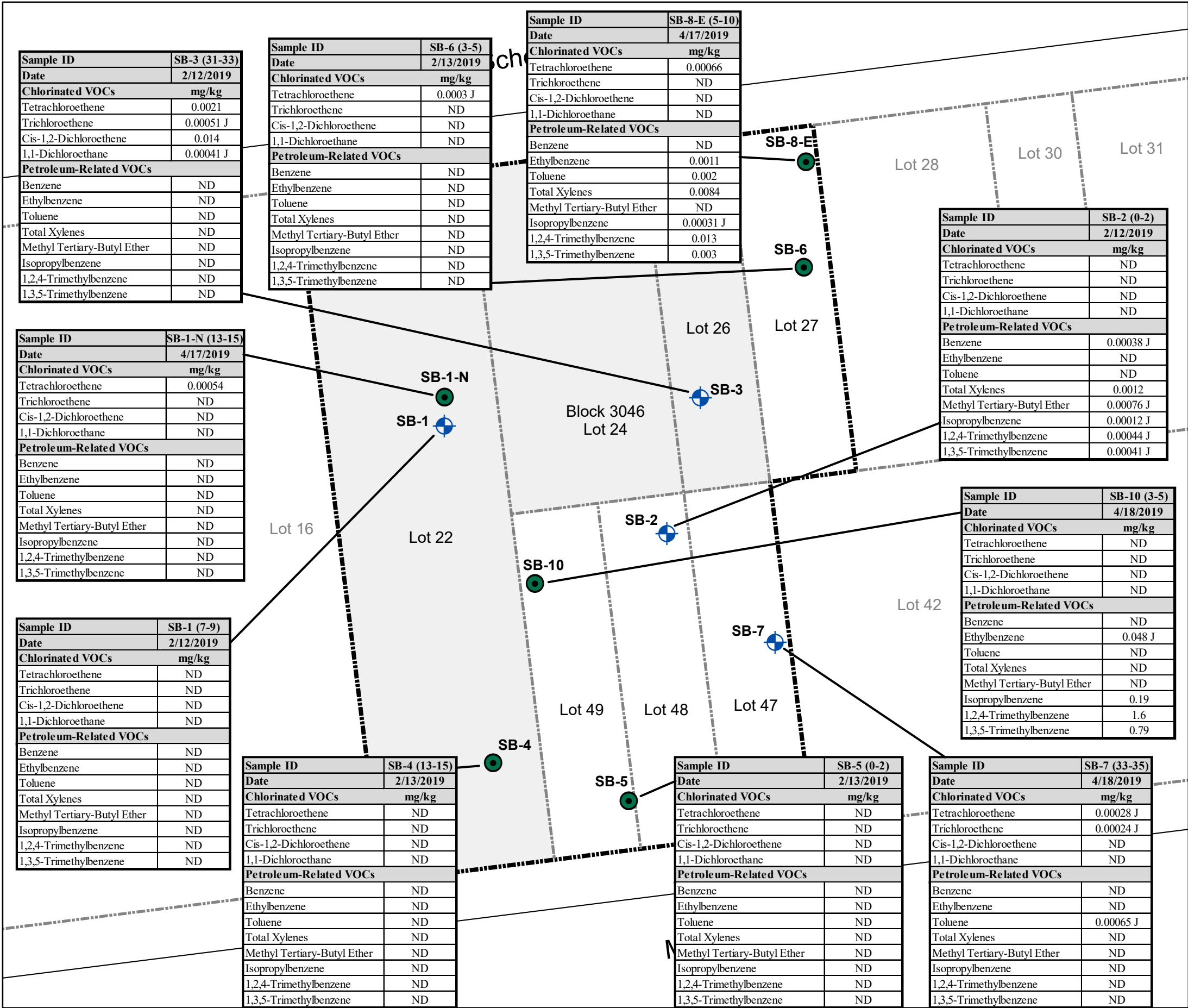
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Drawn By	LM
Checked By	AP
Date	May 2019
Scale	As Noted

VOCs in Indoor Air

Figure 5



Source: New York City Dept. of Finance Digital Tax Map

Site

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

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New York, NY 10001
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F: (646) 606-2379

Drawn By
LM

Checked By
AP

Date
May 2019

Scale
As Noted

VOCs in Soil

Figure 6

Drawing Title

Drawing No

Notes:

1. All analytes met 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

2. J = Estimated value

3. ND = Not detected

4. mg/kg = milligrams per kilogram

Legend

Soil Sample Location

Soil and Groundwater Sample Location

Lot Lines

Site Boundary

On-site Buildings

0 15 30 60

Feet

Scholes Street

Meserole Street

Sample ID	MW-1
Date	2/13/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	0.78 J
Trichloroethene	0.56 J
Cis-1,2-Dichloroethene	6.8
1,1,2-Trichloroethane	1.6 J
Vinyl Chloride	2
Chlorobenzene	27
1,2-Dichlorobenzene	180
1,4-Dichlorobenzene	69

Sample ID	MW-3
Date	2/13/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	2.7
Trichloroethene	16
Cis-1,2-Dichloroethene	220
1,1,2-Trichloroethane	4.5
Vinyl Chloride	150
Chlorobenzene	38
1,2-Dichlorobenzene	220
1,4-Dichlorobenzene	120

Sample ID	MW-5
Date	4/18/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	2.4
Trichloroethene	1.2
Cis-1,2-Dichloroethene	ND
1,1,2-Trichloroethane	ND
Vinyl Chloride	ND
Chlorobenzene	ND
1,2-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND

Sample ID	MW-4
Date	4/18/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	7.6
Trichloroethene	2
Cis-1,2-Dichloroethene	15
1,1,2-Trichloroethane	0.66 J
Vinyl Chloride	5
Chlorobenzene	3.9
1,2-Dichlorobenzene	32
1,4-Dichlorobenzene	13

Sample ID	MW-2
Date	2/13/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	1.1 J
Trichloroethene	3.9
Cis-1,2-Dichloroethene	18
1,1,2-Trichloroethane	3.4 J
Vinyl Chloride	12
Chlorobenzene	42
1,2-Dichlorobenzene	410
1,4-Dichlorobenzene	160

Sample ID	MW-6
Date	4/18/2019
Chlorinated VOCs	µg/l
Tetrachloroethene	2.7 J
Trichloroethene	6.7
Cis-1,2-Dichloroethene	290
1,1,2-Trichloroethane	16
Vinyl Chloride	130
Chlorobenzene	240
1,2-Dichlorobenzene	1900
1,4-Dichlorobenzene	770

Analyte	NY-AWQS
Chlorinated VOCs	µg/l
Tetrachloroethene	5
Trichloroethene	5
Cis-1,2-Dichloroethene	5
1,1,2-Trichloroethane	1
Vinyl Chloride	2
Chlorobenzene	5
1,2-Dichlorobenzene	3
1,4-Dichlorobenzene	3

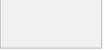
Notes:
1. Bold and shaded yellow value indicates concentration exceeds NY-AWQS
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. J = Estimated value
4. ND = Not detected
5. µg/l = micrograms per liter

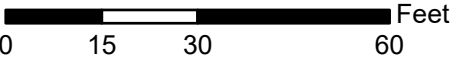
Legend

 Groundwater Sample Location

 Lot Lines

 Site Boundary

 On-site Buildings



Source: New York City Dept. of Finance Digital Tax Map

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

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Drawn By	LM
Checked By	AP
Date	May 2019
Scale	As Noted

CVOCs in Groundwater

Figure 7

Scholes Street

Sample ID	MW-1
Date	2/13/2019
VOCs	µg/l
Benzene	2.2
Ethylbenzene	ND
Toluene	2.4 J
o-Xylene	ND
p/m-Xylene	ND
Isopropylbenzene	ND
1,2,4-Trimethylbenzene	ND

Sample ID	MW-5
Date	4/18/2019
VOCs	µg/l
Benzene	ND
Ethylbenzene	ND
Toluene	ND
o-Xylene	ND
p/m-Xylene	ND
Isopropylbenzene	ND
1,2,4-Trimethylbenzene	ND

Sample ID	MW-3
Date	2/13/2019
VOCs	µg/l
Benzene	1.6
Ethylbenzene	ND
Toluene	ND
o-Xylene	ND
p/m-Xylene	ND
Isopropylbenzene	ND
1,2,4-Trimethylbenzene	ND

Sample ID	MW-6
Date	4/18/2019
VOCs	µg/l
Benzene	14
Ethylbenzene	ND
Toluene	9.2 J
o-Xylene	8.1 J
p/m-Xylene	ND
Isopropylbenzene	ND
1,2,4-Trimethylbenzene	ND

Sample ID	MW-2
Date	2/13/2019
VOCs	µg/l
Benzene	3.2
Ethylbenzene	12
Toluene	7.4
o-Xylene	18
p/m-Xylene	7.7
Isopropylbenzene	5.9 J
1,2,4-Trimethylbenzene	7.6

Sample ID	MW-4
Date	4/18/2019
VOCs	µg/l
Benzene	0.76
Ethylbenzene	ND
Toluene	1.2 J
o-Xylene	0.74 J
p/m-Xylene	ND
Isopropylbenzene	ND
1,2,4-Trimethylbenzene	ND

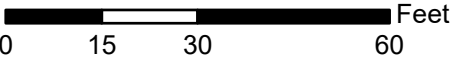


Analyte	NY-AWQS
VOCs	µg/l
Benzene	1
Ethylbenzene	5
Toluene	5
o-Xylene	5
p/m-Xylene	5
Isopropylbenzene	5
1,2,4-Trimethylbenzene	5

Notes:
1. Bold and shaded yellow value indicates concentration exceeds NY-AWQS
2. NY-AWQS = NYSDEC Division of Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)
3. J = Estimated value
4. ND = Not detected
5. µg/l = micrograms per liter

Legend

- Groundwater Sample Location
- Lot Lines
- Site Boundary
- On-site Buildings



Meserole Street

Source: New York City Dept. of Finance Digital Tax Map

254 Scholes Street
Brooklyn, New York
Block 3046
Lots 22, 24, 26, 27, 47, 48 & 49

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Drawn By LM
Checked By AP
Date May 2019
Scale As Noted

Petroleum VOCs in Groundwater
Figure 8

Tables

Table 1. Volatile Organic Compounds in Soil Vapor
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

SAMPLE ID: LAB ID: COLLECTION DATE:	EPA-VISL-COM-TSSGC*	Units	SV-1	SS-2	SS-3	SS-1	SS-4	
			L1905808-01 2/13/2019	L1905808-02 2/13/2019	L1905808-03 2/13/2019	L1905808-04 2/13/2019	L1916403-01 4/18/2019	
			Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds								
Dichlorodifluoromethane	15000	ug/m ³	2.5	2.12	2.38	7.27	15.4	
Chloromethane	13000	ug/m ³	1.32	0.555	0.539	ND	ND	
Freon-114	NS	ug/m ³	ND	ND	ND	ND	ND	
Vinyl chloride	93	ug/m ³	ND	ND	ND	ND	ND	
1,3-Butadiene	14	ug/m ³	0.9	0.863	2.63	0.819	ND	
Bromomethane	730	ug/m ³	ND	ND	ND	ND	ND	
Chloroethane	NS	ug/m ³	ND	ND	ND	ND	0.776	
Ethanol	NS	ug/m ³	89.3	30.7	55	112	154	
Vinyl bromide	13	ug/m ³	ND	ND	ND	ND	ND	
Acetone	4500000	ug/m ³	83.9	93.8	167	195	1090	
Trichlorofluoromethane	NS	ug/m ³	1.17	ND	1.57	19.8	14.8	
Isopropanol	29000	ug/m ³	14.3	2.61	10	30.7	17.4	
1,1-Dichloroethene	29000	ug/m ³	ND	ND	ND	ND	4.24	
tert-Butyl Alcohol	NS	ug/m ³	2.73	1.99	5.37	3.91	ND	
Methylene chloride	41000	ug/m ³	ND	ND	ND	ND	ND	
3-Chloropropene	NS	ug/m ³	ND	ND	ND	ND	ND	
Carbon disulfide	100000	ug/m ³	6.91	4.2	6.1	10.1	20.8	
Freon-113	NS	ug/m ³	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	NS	ug/m ³	ND	ND	1.58	0.912	4.72	
1,1-Dichloroethane	260	ug/m ³	ND	ND	ND	3.77	29.2	
Methyl tert butyl ether	1600	ug/m ³	ND	ND	ND	ND	1.67	
2-Butanone	NS	ug/m ³	13.5	5.52	22.1	23.8	4.95	
cis-1,2-Dichloroethene	NS	ug/m ³	ND	ND	ND	ND	500	
Ethyl Acetate	10000	ug/m ³	ND	ND	ND	ND	ND	
Chloroform	18	ug/m ³	ND	2.68	32.7	7.91	67.9	
Tetrahydrofuran	290000	ug/m ³	9.5	2.66	12.7	14.7	ND	
1,2-Dichloroethane	16	ug/m ³	ND	ND	ND	ND	8.22	
n-Hexane	100000	ug/m ³	15.6	9.59	7.37	4.93	1.02	
1,1,1-Trichloroethane	730000	ug/m ³	ND	ND	26	45.6	39.9	
Benzene	52	ug/m ³	5.91	19.6	6.1	6.39	1.43	
Carbon tetrachloride	68	ug/m ³	ND	ND	ND	ND	21.5	
Cyclohexane	880000	ug/m ³	60.6	10	4.78	3.92	3.15	
1,2-Dichloropropane	110	ug/m ³	ND	ND	ND	ND	ND	
Bromodichloromethane	11	ug/m ³	ND	ND	ND	ND	ND	
1,4-Dioxane	82	ug/m ³	ND	ND	ND	ND	ND	
Trichloroethene	100	ug/m ³	ND	ND	83.3	29.9	513	
2,2,4-Trimethylpentane	NS	ug/m ³	ND	ND	ND	5.46	ND	
Heptane	NS	ug/m ³	25.9	3.6	5.49	9.79	ND	
cis-1,3-Dichloropropene	100	ug/m ³	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	440000	ug/m ³	ND	ND	4.06	ND	ND	
trans-1,3-Dichloropropene	100	ug/m ³	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	26	ug/m ³	ND	ND	ND	ND	ND	
Toluene	730000	ug/m ³	23.9	11.3	21.3	36.8	6.97	
2-Hexanone	4400	ug/m ³	ND	ND	ND	ND	ND	
Dibromochloromethane	NS	ug/m ³	ND	ND	ND	ND	ND	
1,2-Dibromoethane	0.68	ug/m ³	ND	ND	ND	ND	ND	
Tetrachloroethene	1600	ug/m ³	ND	ND	104	15.1	119	
Chlorobenzene	7300	ug/m ³	ND	ND	ND	ND	ND	
Ethylbenzene	160	ug/m ³	7.56	2.19	5.73	8.82	ND	
p/m-Xylene	15000	ug/m ³	25	7.77	21.8	30.8	ND	
Bromoform	370	ug/m ³	ND	ND	ND	ND	ND	
Styrene	150000	ug/m ³	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	7	ug/m ³	ND	ND	ND	ND	ND	
o-Xylene	15000	ug/m ³	7.99	3.17	6.86	12.5	ND	
4-Ethyltoluene	NS	ug/m ³	3.97	ND	1.57	3.12	ND	
1,3,5-Trimethylbenzene	8800	ug/m ³	8.6	ND	2.51	3.84	ND	
1,2,4-Trimethylbenzene	8800	ug/m ³	18.4	3.65	10.5	13.2	ND	
Benzyl chloride	8.3	ug/m ³	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	NS	ug/m ³	ND	ND	4.16	ND	ND	
1,4-Dichlorobenzene	37	ug/m ³	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	29000	ug/m ³	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	290	ug/m ³	ND	ND	ND	ND	ND	
Hexachlorobutadiene	19	ug/m ³	ND	ND	ND	ND	ND	

Notes:

Bold and shaded yellow value indicates concentration exceeds EPA-VISL-COM-TSSGC

* = EPA VISL Default Commercial Target Sub-Slab and Exterior Soil Gas Concentrations Criteria

Q = Laboratory Data Qualifier

ND = Not Detected

NS = No Standard

Table 2. Volatile Organic Compounds in Indoor Air
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

SAMPLE ID: LAB ID: COLLECTION DATE:	EPA-VISL-COM-TIAC*	Units	IA-1		IA-2		IA-3		IA-4		AA-1	
			L1910570-01 3/18/2019		L1910570-02 3/18/2019		L1910570-03 3/18/2019		L1910570-04 3/18/2019		L1910570-05 3/18/2019	
			Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organic Compounds												
Dichlorodifluoromethane	440	ug/m ³	2.15		2.25		2.24		2.23		2.17	
Chloromethane	390	ug/m ³	1.04		1.04		1.15		1.17		0.997	
Freon-114	NS	ug/m ³	ND		ND		ND		ND		ND	
Vinyl chloride	2.8	ug/m ³	ND		ND		ND		ND		ND	
1,3-Butadiene	0.41	ug/m ³	ND		ND		ND		ND		ND	
Bromomethane	22	ug/m ³	ND		ND		ND		ND		ND	
Chloroethane	NS	ug/m ³	ND		ND		ND		ND		ND	
Ethanol	NS	ug/m ³	710		122		1080		659		ND	
Vinyl bromide	0.38	ug/m ³	ND		ND		ND		ND		ND	
Acetone	140000	ug/m ³	373		732		1630		3400		24.7	
Trichlorofluoromethane	NS	ug/m ³	2.86		1.84		ND		ND		ND	
Isopropanol	880	ug/m ³	37.1		10.6		34.9		17.2		ND	
1,1-Dichloroethene	880	ug/m ³	ND		ND		ND		ND		ND	
tert-Butyl Alcohol	NS	ug/m ³	ND		ND		2.26		ND		ND	
Methylene chloride	1200	ug/m ³	ND		ND		5.25		1.82		ND	
3-Chloropropene	NS	ug/m ³	ND		ND		ND		ND		ND	
Carbon disulfide	3100	ug/m ³	ND		ND		ND		ND		ND	
Freon-113	NS	ug/m ³	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	NS	ug/m ³	ND		ND		ND		ND		ND	
1,1-Dichloroethane	7.7	ug/m ³	ND		ND		ND		ND		ND	
Methyl tert butyl ether	47	ug/m ³	ND		ND		ND		ND		ND	
2-Butanone	NS	ug/m ³	ND		ND		1.73		1.56		ND	
cis-1,2-Dichloroethene	NS	ug/m ³	ND		ND		ND		ND		ND	
Ethyl Acetate	310	ug/m ³	ND		ND		ND		ND		ND	
Chloroform	0.53	ug/m ³	ND		ND		ND		ND		ND	
Tetrahydrofuran	8800	ug/m ³	ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.47	ug/m ³	ND		ND		ND		ND		ND	
n-Hexane	3100	ug/m ³	ND		ND		ND		0.969		ND	
1,1,1-Trichloroethane	22000	ug/m ³	ND		ND		ND		ND		ND	
Benzene	1.6	ug/m ³	1.67		1.54		0.895		0.91		0.792	
Carbon tetrachloride	2	ug/m ³	0.447		0.39		0.396		0.434		0.459	
Cyclohexane	26000	ug/m ³	ND		ND		ND		ND		ND	
1,2-Dichloropropane	3.3	ug/m ³	ND		ND		ND		ND		ND	
Bromodichloromethane	0.33	ug/m ³	ND		ND		ND		ND		ND	
1,4-Dioxane	2.5	ug/m ³	ND		ND		ND		ND		ND	
Trichloroethene	3	ug/m ³	0.188		0.113		ND		ND		ND	
2,2,4-Trimethylpentane	NS	ug/m ³	ND		ND		ND		ND		ND	
Heptane	NS	ug/m ³	99.6		187		404		893		4.22	
cis-1,3-Dichloropropene	3.1	ug/m ³	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone	13000	ug/m ³	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	3.1	ug/m ³	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	0.77	ug/m ³	ND		ND		ND		ND		ND	
Toluene	22000	ug/m ³	85.5		164		350		724		4.37	
2-Hexanone	130	ug/m ³	ND		ND		ND		ND		ND	
Dibromochloromethane	NS	ug/m ³	ND		ND		ND		ND		ND	
1,2-Dibromoethane	0.02	ug/m ³	ND		ND		ND		ND		ND	
Tetrachloroethene	47	ug/m ³	0.509		0.258		0.305		0.244		ND	
Chlorobenzene	220	ug/m ³	ND		ND		ND		ND		ND	
Ethylbenzene	4.9	ug/m ³	ND		ND		ND		ND		ND	
p/m-Xylene	440	ug/m ³	ND		ND		ND		ND		ND	
Bromoform	11	ug/m ³	ND		ND		ND		ND		ND	
Styrene	4400	ug/m ³	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	0.21	ug/m ³	ND		ND		ND		ND		ND	
o-Xylene	440	ug/m ³	ND		ND		ND		ND		ND	
4-Ethyltoluene	NS	ug/m ³	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	260	ug/m ³	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	260	ug/m ³	ND		ND		ND		ND		ND	
Benzyl chloride	0.25	ug/m ³	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	NS	ug/m ³	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	1.1	ug/m ³	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	880	ug/m ³	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	8.8	ug/m ³	ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.56	ug/m ³	ND		ND		ND		ND		ND	

Notes:

Bold and shaded yellow value indicates indoor air concentration exceeds EPA-VISL-COM-TIAC

* = EPA VISL Default Commercial Target Indoor Air Concentrations Criteria

Q = Laboratory Data Qualifier

ND = Not Detected

NS = No Standard

Table 3. Soil Analytical Results
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESGW	NY-RESC	Units	SB-1 (7-9)	SB-2 (0-2)	SB-3 (31-33)	SB-4 (13-15)	SB-5 (0-2)	SB-6 (3-5)	SB-8-E (5-10)	SB-1-N (13-15)	SB-7 (33-35)	SB-10 (3-5)
SAMPLING DATE					12-FEB-19	12-FEB-19	12-FEB-19	13-FEB-19	13-FEB-19	13-FEB-19	17-APR-19	17-APR-19	18-APR-19	18-APR-19
LAB SAMPLE ID					L1905826-01	L1905826-03	L1905826-04	L1905826-05	L1905826-06	L1905826-07	L1915748-01	L1915748-03	L1916186-01	L1916186-02
					Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
General Chemistry														
Solids, Total	NS	NS	NS	%	91.6		85		94.5		90.9		86	
Total Metals														
Aluminum, Total	NS	NS	NS	mg/kg	4340		--		--		--		--	
Antimony, Total	NS	NS	NS	mg/kg	0.689	J	--		--		--		--	
Arsenic, Total	13	16	16	mg/kg	2.44		--		--		--		--	
Barium, Total	350	820	400	mg/kg	30.5		--		--		--		--	
Beryllium, Total	7.2	47	590	mg/kg	0.31	J	--		--		--		--	
Cadmium, Total	2.5	7.5	9.3	mg/kg	ND		--		--		--		--	
Calcium, Total	NS	NS	NS	mg/kg	471		--		--		--		--	
Chromium, Total	NS	NS	NS	mg/kg	12.8		--		--		--		--	
Cobalt, Total	NS	NS	NS	mg/kg	5.92		--		--		--		--	
Copper, Total	50	1720	270	mg/kg	9.23		--		--		--		--	
Iron, Total	NS	NS	NS	mg/kg	15800		--		--		--		--	
Lead, Total	63	450	1000	mg/kg	4.93		--		--		--		--	
Magnesium, Total	NS	NS	NS	mg/kg	1240		--		--		--		--	
Manganese, Total	1600	2000	10000	mg/kg	398		--		--		--		--	
Mercury, Total	0.18	0.73	2.8	mg/kg	ND		--		--		--		--	
Nickel, Total	30	130	310	mg/kg	9.07		--		--		--		--	
Potassium, Total	NS	NS	NS	mg/kg	686		--		--		--		--	
Selenium, Total	3.9	4	1500	mg/kg	0.319	J	--		--		--		--	
Silver, Total	2	8.3	1500	mg/kg	ND		--		--		--		--	
Sodium, Total	NS	NS	NS	mg/kg	144	J	--		--		--		--	
Thallium, Total	NS	NS	NS	mg/kg	ND		--		--		--		--	
Vanadium, Total	NS	NS	NS	mg/kg	21		--		--		--		--	
Zinc, Total	109	2480	10000	mg/kg	22.2		--		--		--		--	
Volatile Organics by EPA 5035														
1,1,1,2-Tetrachloroethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	0.68	0.68	500	mg/kg	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,1-Dichloroethane	0.27	0.27	240	mg/kg	ND		0.00041	J	ND		ND		ND	
1,1-Dichloroethene	0.33	0.33	500	mg/kg	ND		ND		ND		ND		ND	
1,1-Dichloropropene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2,3-Trichloropropane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NS	NS	NS	mg/kg	ND		ND		ND		0.016		ND	2.4
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	3.6	190	mg/kg	ND		0.00044	J	ND		0.013		ND	1.6
1,2-Dibromo-3-chloropropane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2-Dibromooethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	1.1	1.1	500	mg/kg	ND		ND		ND		ND		ND	
1,2-Dichloroethane	0.02	0.02	30	mg/kg	ND		ND		ND		ND		ND	
1,2-Dichloroethene, Total	NS	NS	NS	mg/kg	ND		0.014		ND		ND		ND	
1,2-Dichloropropane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	8.4	190	mg/kg	ND		0.00041	J	ND		0.003		ND	0.79
1,3-Dichlorobenzene	2.4	2.4	280	mg/kg	ND		ND		ND		ND		ND	
1,3-Dichloropropane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,3-Dichloropropene, Total	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	1.8	1.8	130	mg/kg	ND		ND		ND		ND		ND	
1,4-Dioxane	0.1	0.1	130	mg/kg	ND		ND		ND		ND		ND	
2,2-Dichloropropane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
2-Butanone	0.12	0.12	500	mg/kg	ND		0.0031	J	ND		ND		ND	
2-Hexanone	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Acetone	0.05	0.05	500	mg/kg	ND		0.03		ND		0.0072	J	0.0073	J
Acrylonitrile	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Benzene	0.06	0.06	44	mg/kg	ND		0.00038	J	ND		ND		ND	
Bromobenzene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Bromochloromethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Bromodichloromethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Bromoform	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Bromomethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Carbon disulfide	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Carbon tetrachloride	0.76	0.76	22	mg/kg	ND		ND		ND		ND		ND	
Chlorobenzene	1.1	1.1	500	mg/kg	ND		ND		ND		ND		ND	
Chloroethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Chloroform	0.37	0.37	350	mg/kg	ND		ND		ND		ND		ND	
Chloromethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	0.25	0.25	500	mg/kg	ND		0.014		ND		ND		ND	
cis-1,3-Dichloropropene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Dibromochloromethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Dibromomethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Dichlorodifluoromethane	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Ethyl ether	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Ethylbenzene	1	1	390	mg/kg	ND		ND		ND		0.0011		ND	0.048
Hexachlorobutadiene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
Isopropylbenzene	NS	NS	NS	mg/kg	ND		0.00012	J	ND		0.00031	J	ND	0.19
Methyl tert butyl ether	0.93	0.93	500	mg/kg	ND		0.00076	J	ND		ND		ND	
Methylene chloride	0.05	0.05	500	mg/kg	ND		ND		ND		ND		ND	
n-Butylbenzene	12	12	500	mg/kg	ND		ND		ND		0.0017		ND	0.91
n-Propylbenzene	3.9	3.9	500	mg/kg	ND		ND		ND		0.00076	J	ND	0.29
Naphthalene	12	12	500	mg/kg	ND		ND		ND		0.057		ND	3.4
o-Chlorotoluene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
o-Xylene	NS	NS	NS	mg/kg	ND		0.0012		ND		0.0032		ND	
p-Chlorotoluene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	
p-Diethylbenzene	NS	NS	NS	mg/kg	ND		ND		ND		0.018		ND	4.4
p-Ethyltoluene	NS	NS	NS	mg/kg	ND		ND		ND		0.0059		ND	0.35
p-Isopropyltoluene	NS	NS	NS	mg/kg	ND		ND		ND		0.00086	J	ND	0.74
p/m-Xylene	NS	NS	NS	mg/kg	ND		ND		ND		0.0052		ND	
sec-Butylbenzene	11	11	500	mg/kg	ND		ND		ND		0.00082	J	ND	0.94
Styrene	NS	NS	NS	mg/kg	ND		ND		ND		ND		ND	

Table 3. Soil Analytical Results
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

SAMPLE ID				Units	SB-1 (7-9)		SB-2 (0-2)		SB-3 (31-33)		SB-4 (13-15)		SB-5 (0-2)		SB-6 (3-5)		SB-8-E (5-10)		SB-1-N (13-15)		SB-7 (33-35)		SB-10 (3-5)	
SAMPLING DATE					12-FEB-19		12-FEB-19		12-FEB-19		13-FEB-19		13-FEB-19		13-FEB-19		17-APR-19		17-APR-19		18-APR-19		18-APR-19	
LAB SAMPLE ID					L1905826-01		L1905826-03		L1905826-04		L1905826-05		L1905826-06		L1905826-07		L1915748-01		L1915748-03		L1916186-01		L1916186-02	
					Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
tert-Butylbenzene				5.9	5.9	500	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.062	J
Tetrachloroethene				1.3	1.3	150	mg/kg	ND	ND	0.0021	ND	ND	ND	0.0003	J	0.00066	0.00054	0.00028	J	ND	ND	ND	ND	
Toluene				0.7	0.7	500	mg/kg	ND	ND	ND	ND	ND	ND	ND	0.002	ND	0.00065	J	ND	ND	ND	ND		
trans-1,2-Dichloroethene				0.19	0.19	500	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene				NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-butene				NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene				0.47	0.47	200	mg/kg	ND	ND	0.00051	J	ND	ND	ND	ND	ND	ND	0.00024	J	ND	ND	ND	ND	
Trichlorofluoromethane				NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl acetate				NS	NS	NS	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl chloride				0.02	0.02	13	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Xylenes, Total				0.26	1.6	500	mg/kg	ND	0.0012	ND	ND	ND	ND	ND	ND	0.0084	ND	ND	ND	ND	ND	ND	ND	
No Tentatively Identified Compounds - TIC ()				NS	NS	NS	mg/kg	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	
Semivolatile Organics by GC/MS																								
1,2,4,5-Tetrachlorobenzene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2,4-Trichlorobenzene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,2-Dichlorobenzene				L1	L1	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,3-Dichlorobenzene				2.4	2.4	280	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1,4-Dichlorobenzene				1.8	1.8	130	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,5-Trichlorophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4,6-Trichlorophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dichlorophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dimethylphenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-Dinitrotoluene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,6-Dinitrotoluene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Chloronaphthalene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Chlorophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Methylnaphthalene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Methylphenol				0.33	0.33	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitroaniline				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2-Nitrophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3,3'-Dichlorobenzidine				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3-Methylphenol/4-Methylphenol				0.33	0.33	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3-Nitroaniline				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,6-Dinitro-o-cresol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Bromophenyl phenyl ether				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chloroaniline				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Chlorophenyl phenyl ether				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Nitroaniline				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4-Nitrophenol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acenaphthene				20	98	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acenaphthylene				100	107	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Acetophenone				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Anthracene				100	1000	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(a)anthracene				1	1	5.6	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(a)pyrene				1	22	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(b)fluoranthene				1	1.7	5.6	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(ghi)perylene				100	1000	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzo(k)fluoranthene				0.8	1.7	56	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzoic Acid				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Benzyl Alcohol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Biphenyl				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bis(2-chloroethoxy)methane				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bis(2-chloroethyl)ether				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bis(2-chloroisopropyl)ether				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bis(2-ethylhexyl)phthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Butyl benzyl phthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Carbazole				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chrysene				1	1	56	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Di-n-butylphthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Di-n-octylphthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dibenzofuran				0.33	1000	0.56	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dibenzofuran				7	210	350	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Diethyl phthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dimethyl phthalate				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fluoranthene				100	1000	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Fluorene				30	386	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorobenzene				0.33	3.2	6	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorobutadiene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorocyclopentadiene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachloroethane				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Indeno(1,2,3-cd)pyrene				0.5	8.2	5.6	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Isophorone				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
n-Nitrosodi-n-propylamine				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene				12	12	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NDPA/DPA				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nitrobenzene				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
p-Chloro-m-cresol				NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol				0.8	0.8	6.7	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenanthrene				100	1000	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenol				0.33	0.33	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene				100	1000	500	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls by GC																								
Aroclor 1016				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1221				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1232				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1242				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1248				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1254				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1260				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1262				0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aroclor 1268				0.1	3.2	1	mg/kg	ND</																

Table 3. Soil Analytical Results
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

CLIENT SAMPLE ID	NY-UNRES	NY-RESGW	NY-RESC	Units	SB-1 (7-9)	SB-2 (0-2)	SB-3 (31-33)	SB-4 (13-15)	SB-5 (0-2)	SB-6 (3-5)	SB-8-E (5-10)	SB-1-N (13-15)	SB-7 (33-35)	SB-10 (3-5)
SAMPLING DATE					12-FEB-19	12-FEB-19	12-FEB-19	13-FEB-19	13-FEB-19	13-FEB-19	17-APR-19	17-APR-19	18-APR-19	18-APR-19
LAB SAMPLE ID					L1905826-01	L1905826-03	L1905826-04	L1905826-05	L1905826-06	L1905826-07	L1915748-01	L1915748-03	L1916186-01	L1916186-02
					Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
PCBs, Total	0.1	3.2	1	mg/kg	ND	--	--	--	--	--	--	--	--	--
Organochlorine Pesticides by GC														
4,4'-DDD	0.0033	14	92	mg/kg	ND	--	--	--	--	--	--	--	--	--
4,4'-DDE	0.0033	17	62	mg/kg	ND	--	--	--	--	--	--	--	--	--
4,4'-DDT	0.0033	136	47	mg/kg	ND	--	--	--	--	--	--	--	--	--
Aldrin	0.005	0.19	0.68	mg/kg	ND	--	--	--	--	--	--	--	--	--
Alpha-BHC	0.02	0.02	3.4	mg/kg	ND	--	--	--	--	--	--	--	--	--
Beta-BHC	0.036	0.09	3	mg/kg	ND	--	--	--	--	--	--	--	--	--
Chlordane	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
cis-Chlordane	0.094	2.9	24	mg/kg	ND	--	--	--	--	--	--	--	--	--
Delta-BHC	0.04	0.25	500	mg/kg	ND	--	--	--	--	--	--	--	--	--
Dieldrin	0.005	0.1	1.4	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endosulfan I	2.4	102	200	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endosulfan II	2.4	102	200	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	2.4	1000	200	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endrin	0.014	0.06	89	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endrin aldehyde	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
Endrin ketone	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
Heptachlor	0.042	0.38	15	mg/kg	ND	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
Lindane	0.1	0.1	9.2	mg/kg	ND	--	--	--	--	--	--	--	--	--
Methoxychlor	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
Toxaphene	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--
trans-Chlordane	NS	NS	NS	mg/kg	ND	--	--	--	--	--	--	--	--	--

Notes:

Bold and shaded yellow value indicates concentration exceeds NY-UNRES

Bold and shaded blue value indicates concentration exceeds NY-RESGW

Bold and shaded orange value indicates concentration exceeds NY-RESC

NY-UNRES = 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives

NY-RESGW = 6NYCRR Part 375 Restricted Protection of Groundwater Soil Cleanup Objectives

NY-RESC = 6NYCRR Part 375 Restricted Commercial Use Soil Cleanup Objectives

J = Estimated value

ND = Not detected

NS = No Standard

-- = Not analyzed

Q = Laboratory Data Qualifier

Table 4. Volatile Organic Compounds in Groundwater
254 Scholes Street, Brooklyn, NY
Due Diligence Letter Report

CLIENT SAMPLE ID	NY-TOGS-GA*	Units	MW-1	MW-2	MW-3	TRIP BLANK	MW-4	MW-5	MW-6	TRIP BLANK
SAMPLING DATE			13-FEB-19	13-FEB-19	13-FEB-19	12-FEB-19	18-APR-19	18-APR-19	18-APR-19	17-APR-19
LAB SAMPLE ID			L1905826-08	L1905826-09	L1905826-10	L1905826-11	L1916186-04	L1916186-03	L1916186-05	L1916186-06
			Conc	Q	Conc	Q	Conc	Q	Conc	Q
Volatile Organics by GC/MS										
1,1,1,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND	
1,1,1-Trichloroethane	5	ug/l	ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	5	ug/l	ND		ND		ND		ND	
1,1,2-Trichloroethane	1	ug/l	1.6 J		3.4 J		4.5		ND	
1,1-Dichloroethane	5	ug/l	9.3		21		4.6 J		ND	
1,1-Dichloroethene	5	ug/l	ND		ND		ND		ND	
1,1-Dichloropropene	5	ug/l	ND		ND		ND		ND	
1,2,3-Trichlorobenzene	5	ug/l	ND		ND		ND		ND	
1,2,3-Trichloropropane	0.04	ug/l	ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	5	ug/l	ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	ug/l	ND		2.4 J		1.4 J		ND	
1,2,4-Trimethylbenzene	5	ug/l	ND		7.6		ND		ND	
1,2-Dibromo-3-chloropropane	0.04	ug/l	ND		ND		ND		ND	
1,2-Dibromooethane	0.0006	ug/l	ND		ND		ND		ND	
1,2-Dichlorobenzene	3	ug/l	180		410		220		ND	
1,2-Dichloroethane	0.6	ug/l	15		13		19		ND	
1,2-Dichloroethene, Total	NS	ug/l	8.7 J		20 J		220 J		15	
1,2-Dichloropropane	1	ug/l	ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ug/l	ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ug/l	14		33		20		ND	
1,3-Dichloropropane	5	ug/l	ND		ND		ND		ND	
1,3-Dichloropropene, Total	NS	ug/l	ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ug/l	69		160		120		ND	
1,4-Dioxane	NS	ug/l	ND		ND		ND		ND	
2,2-Dichloropropane	5	ug/l	ND		ND		ND		ND	
2-Butanone	50	ug/l	ND		ND		ND		ND	
2-Hexanone	50	ug/l	ND		ND		ND		ND	
4-Methyl-2-pentanone	NS	ug/l	ND		ND		ND		ND	
Acetone	50	ug/l	ND		ND		ND		5.5	
Acrylonitrile	5	ug/l	ND		ND		ND		ND	
Benzene	1	ug/l	2.2		3.2		1.6		0.76	
Bromobenzene	5	ug/l	ND		ND		ND		ND	
Bromochloromethane	5	ug/l	ND		ND		ND		ND	
Bromodichloromethane	50	ug/l	ND		ND		ND		ND	
Bromoform	50	ug/l	ND		ND		ND		ND	
Bromomethane	5	ug/l	ND		ND		ND		ND	
Carbon disulfide	60	ug/l	ND		ND		ND		ND	
Carbon tetrachloride	5	ug/l	ND		ND		ND		ND	
Chlorobenzene	5	ug/l	27		42		38		3.9	
Chloroethane	5	ug/l	ND		ND		3.4 J		ND	
Chloroform	7	ug/l	2.7 J		ND		ND		3.2	
Chloromethane	NS	ug/l	ND		ND		ND		5.6	
cis-1,2-Dichloroethene	5	ug/l	6.8		18		220		15	
cis-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND	
Dibromochloromethane	50	ug/l	ND		ND		ND		ND	
Dibromomethane	5	ug/l	ND		ND		ND		ND	
Dichlorodifluoromethane	5	ug/l	ND		ND		ND		ND	
Ethyl ether	NS	ug/l	ND		ND		ND		ND	
Ethylbenzene	5	ug/l	ND		12		ND		ND	
Hexachlorobutadiene	0.5	ug/l	ND		ND		ND		ND	
Isopropylbenzene	5	ug/l	ND		5.9 J		ND		ND	
Methyl tert butyl ether	10	ug/l	ND		ND		ND		ND	
Methylene chloride	5	ug/l	ND		ND		ND		ND	
n-Butylbenzene	5	ug/l	ND		ND		ND		ND	
n-Propylbenzene	5	ug/l	ND		2 J		ND		ND	
Naphthalene	10	ug/l	ND		ND		ND		ND	
o-Chlorotoluene	5	ug/l	ND		ND		ND		ND	
o-Xylene	5	ug/l	ND		18		ND		0.74 J	
p-Chlorotoluene	5	ug/l	ND		ND		ND		ND	
p-Diethylbenzene	NS	ug/l	ND		ND		ND		ND	
p-Ethyltoluene	NS	ug/l	ND		ND		ND		ND	
p-Isopropyltoluene	5	ug/l	ND		ND		ND		ND	
p/m-Xylene	5	ug/l	ND		7.7		ND		ND	
sec-Butylbenzene	5	ug/l	ND		ND		ND		ND	
Styrene	930	ug/l	ND		ND		ND		ND	
tert-Butylbenzene	5	ug/l	ND		ND		ND		ND	
Tetrachloroethene	5	ug/l	0.78 J		1.1 J		2.7		7.6	
Toluene	5	ug/l	2.4 J		7.4		ND		1.2 J	
trans-1,2-Dichloroethene	5	ug/l	1.9 J		2.3 J		4.8 J		ND	
trans-1,3-Dichloropropene	0.4	ug/l	ND		ND		ND		ND	
trans-1,4-Dichloro-2-butene	5	ug/l	ND		ND		ND		ND	
Trichloroethene	5	ug/l	0.56 J		3.9		16		2	
Trichlorofluoromethane	5	ug/l	ND		ND		ND		ND	
Vinyl acetate	NS	ug/l	ND		ND		ND		ND	
Vinyl chloride	2	ug/l	2		12		150		5	
Xylenes, Total	NS	ug/l	ND		26		ND		0.74 J	

Notes:

Bold and yellow shaded value indicates concentration exceeds NYSDEC TOGS Class GA Standards

J = Estimated value

ND = Not detected

NS = No standard

* = NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 Class GA Water Quality Standards and Guidance Values

254 Scholes Street – Brooklyn, NY
Due Diligence Letter Report

Attachment 1

Laboratory Deliverables



ANALYTICAL REPORT

Lab Number:	L1905808
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	254 SCHOLLES ST.
Project Number:	Not Specified
Report Date:	02/20/19

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

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

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



Project Name: 254 SCHOLLES ST.
Project Number: Not Specified

Lab Number: L1905808
Report Date: 02/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1905808-01	SV-1	SOIL_VAPOR	254 SCHOLLES ST. BROOKLYN, NY	02/13/19 11:51	02/13/19
L1905808-02	SS-2	SOIL_VAPOR	254 SCHOLLES ST. BROOKLYN, NY	02/13/19 14:39	02/13/19
L1905808-03	SS-3	SOIL_VAPOR	254 SCHOLLES ST. BROOKLYN, NY	02/13/19 14:47	02/13/19
L1905808-04	SS-1	SOIL_VAPOR	254 SCHOLLES ST. BROOKLYN, NY	02/13/19 11:16	02/13/19

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

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: 254 SCHOLLES ST.
Project Number: Not Specified

Lab Number: L1905808
Report Date: 02/20/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 12, 2019. The canister certification results are provided as an addendum.

L1905808-01 through -03: results for Acetone should be considered estimated due to co-elution with a non-target peak.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 02/20/19

AIR

Project Name: 254 SCHOLES ST.**Project Number:** Not Specified**Lab Number:** L1905808**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-01
 Client ID: SV-1
 Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Date Collected: 02/13/19 11:51
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 02/17/19 04:57
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.506	0.200	--	2.50	0.989	--		1
Chloromethane	0.639	0.200	--	1.32	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.407	0.200	--	0.900	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	47.4	5.00	--	89.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	35.3	1.00	--	83.9	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	5.81	0.500	--	14.3	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.902	0.500	--	2.73	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.22	0.200	--	6.91	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	4.58	0.500	--	13.5	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-01

Date Collected: 02/13/19 11:51

Client ID: SV-1

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	3.22	0.500	--	9.50	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.43	0.200	--	15.6	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	1.85	0.200	--	5.91	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	17.6	0.200	--	60.6	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	6.33	0.200	--	25.9	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	6.35	0.200	--	23.9	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	1.74	0.200	--	7.56	0.869	--		1



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS****Lab ID:** L1905808-01**Date Collected:** 02/13/19 11:51**Client ID:** SV-1**Date Received:** 02/13/19**Sample Location:** 254 SCHOLLES ST. BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.75	0.400	--	25.0	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	1.84	0.200	--	7.99	0.869	--		1
4-Ethyltoluene	0.808	0.200	--	3.97	0.983	--		1
1,3,5-Trimethylbenzene	1.75	0.200	--	8.60	0.983	--		1
1,2,4-Trimethylbenzene	3.74	0.200	--	18.4	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	96		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	100		60-140



Project Name: 254 SCHOLES ST.**Project Number:** Not Specified**Lab Number:** L1905808**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-02
 Client ID: SS-2
 Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Date Collected: 02/13/19 14:39
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 02/17/19 05:37
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.428	0.200	--	2.12	0.989	--		1
Chloromethane	0.269	0.200	--	0.555	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.390	0.200	--	0.863	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	16.3	5.00	--	30.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	39.5	1.00	--	93.8	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.06	0.500	--	2.61	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.657	0.500	--	1.99	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.35	0.200	--	4.20	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	1.87	0.500	--	5.52	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-02

Date Collected: 02/13/19 14:39

Client ID: SS-2

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.548	0.200	--	2.68	0.977	--		1
Tetrahydrofuran	0.903	0.500	--	2.66	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.72	0.200	--	9.59	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	6.14	0.200	--	19.6	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.91	0.200	--	10.0	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.878	0.200	--	3.60	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.99	0.200	--	11.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.504	0.200	--	2.19	0.869	--		1



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-02

Date Collected: 02/13/19 14:39

Client ID: SS-2

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	1.79	0.400	--	7.77	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	0.729	0.200	--	3.17	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.742	0.200	--	3.65	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	91		60-140



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-03
 Client ID: SS-3
 Sample Location: 254 SCHOLLES ST. BROOKLYN, NY

Date Collected: 02/13/19 14:47
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 02/17/19 06:17
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.482	0.200	--	2.38	0.989	--		1
Chloromethane	0.261	0.200	--	0.539	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.19	0.200	--	2.63	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	29.2	5.00	--	55.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	70.3	1.00	--	167	2.38	--		1
Trichlorofluoromethane	0.280	0.200	--	1.57	1.12	--		1
Isopropanol	4.08	0.500	--	10.0	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.77	0.500	--	5.37	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.96	0.200	--	6.10	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.398	0.200	--	1.58	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	7.48	0.500	--	22.1	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-03

Date Collected: 02/13/19 14:47

Client ID: SS-3

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	6.69	0.200	--	32.7	0.977	--		1
Tetrahydrofuran	4.29	0.500	--	12.7	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.09	0.200	--	7.37	0.705	--		1
1,1,1-Trichloroethane	4.77	0.200	--	26.0	1.09	--		1
Benzene	1.91	0.200	--	6.10	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.39	0.200	--	4.78	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	15.5	0.200	--	83.3	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.34	0.200	--	5.49	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.991	0.500	--	4.06	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	5.64	0.200	--	21.3	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	15.3	0.200	--	104	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.32	0.200	--	5.73	0.869	--		1



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-03

Date Collected: 02/13/19 14:47

Client ID: SS-3

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	5.02	0.400	--	21.8	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	1.58	0.200	--	6.86	0.869	--		1
4-Ethyltoluene	0.320	0.200	--	1.57	0.983	--		1
1,3,5-Trimethylbenzene	0.510	0.200	--	2.51	0.983	--		1
1,2,4-Trimethylbenzene	2.13	0.200	--	10.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.692	0.200	--	4.16	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: 254 SCHOLES ST.**Project Number:** Not Specified**Lab Number:** L1905808**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-04
 Client ID: SS-1
 Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Date Collected: 02/13/19 11:16
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 02/16/19 21:20
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.47	0.200	--	7.27	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	0.370	0.200	--	0.819	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	59.7	5.00	--	112	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.1	1.00	--	195	2.38	--		1
Trichlorofluoromethane	3.52	0.200	--	19.8	1.12	--		1
Isopropanol	12.5	0.500	--	30.7	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.29	0.500	--	3.91	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.24	0.200	--	10.1	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.230	0.200	--	0.912	0.793	--		1
1,1-Dichloroethane	0.932	0.200	--	3.77	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	8.08	0.500	--	23.8	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-04

Date Collected: 02/13/19 11:16

Client ID: SS-1

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.62	0.200	--	7.91	0.977	--		1
Tetrahydrofuran	5.00	0.500	--	14.7	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.40	0.200	--	4.93	0.705	--		1
1,1,1-Trichloroethane	8.35	0.200	--	45.6	1.09	--		1
Benzene	2.00	0.200	--	6.39	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.14	0.200	--	3.92	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	5.56	0.200	--	29.9	1.07	--		1
2,2,4-Trimethylpentane	1.17	0.200	--	5.46	0.934	--		1
Heptane	2.39	0.200	--	9.79	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	9.77	0.200	--	36.8	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	2.23	0.200	--	15.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.03	0.200	--	8.82	0.869	--		1



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**SAMPLE RESULTS**

Lab ID: L1905808-04

Date Collected: 02/13/19 11:16

Client ID: SS-1

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST. BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	7.10	0.400	--	30.8	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	2.87	0.200	--	12.5	0.869	--		1
4-Ethyltoluene	0.635	0.200	--	3.12	0.983	--		1
1,3,5-Trimethylbenzene	0.781	0.200	--	3.84	0.983	--		1
1,2,4-Trimethylbenzene	2.68	0.200	--	13.2	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	73		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	81		60-140



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 17:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1207484-4								
Propylene	ND	0.500	--	ND	0.861	--		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
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 17:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1207484-4								
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	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



Project Name: 254 SCHOLLES ST.

Lab Number: L1905808

Project Number: Not Specified

Report Date: 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 17:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1207484-4								
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
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

Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 15:53

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1207494-4								
Propylene	ND	0.500	--	ND	0.861	--		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
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 15:53

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1207494-4								
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	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



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 02/16/19 15:53

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04 Batch: WG1207494-4								
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
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: 254 SCHOLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

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: WG1207484-3								
Propylene	112		-		70-130	-		
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	85		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	83		-		70-130	-		
Acetone	66		-		40-160	-		
Trichlorofluoromethane	81		-		70-130	-		
Isopropanol	66		-		40-160	-		
1,1-Dichloroethene	84		-		70-130	-		
Tertiary butyl Alcohol	74		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	92		-		70-130	-		
Carbon disulfide	80		-		70-130	-		
Freon-113	91		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	88		-		70-130	-		
Vinyl acetate	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

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: WG1207484-3								
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	98		-		70-130	-		
1,2-Dichloroethane	93		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	86		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	93		-		70-130	-		
Cyclohexane	99		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	97		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	102		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	95		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	80		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

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: WG1207484-3								
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	112		-		70-130	-		
Styrene	106		-		70-130	-		
1,1,2,2-Tetrachloroethane	112		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	114		-		70-130	-		
1,4-Dichlorobenzene	114		-		70-130	-		
1,2-Dichlorobenzene	111		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1207494-3								
Propylene	109		-		70-130	-		
Dichlorodifluoromethane	82		-		70-130	-		
Chloromethane	94		-		70-130	-		
Freon-114	105		-		70-130	-		
Vinyl chloride	98		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	105		-		70-130	-		
Acetone	71		-		40-160	-		
Trichlorofluoromethane	106		-		70-130	-		
Isopropanol	73		-		40-160	-		
1,1-Dichloroethene	98		-		70-130	-		
Tertiary butyl Alcohol	100		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	107		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	102		-		70-130	-		
Vinyl acetate	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1207494-3								
2-Butanone	114		-		70-130	-		
cis-1,2-Dichloroethene	88		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	101		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	91		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	99		-		70-130	-		
1,4-Dioxane	106		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	87		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	98		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	106		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: Not Specified

Lab Number: L1905808

Report Date: 02/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04 Batch: WG1207494-3								
Dibromochloromethane	107		-		70-130	-		
1,2-Dibromoethane	105		-		70-130	-		
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	110		-		70-130	-		
Styrene	103		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	107		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	131	Q	-		70-130	-		
Hexachlorobutadiene	130		-		70-130	-		

Project Name: 254 SCHOLLES ST.

Serial_No: 02201916:40
Lab Number: L1905808

Project Number:

Report Date: 02/20/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1905808-01	SV-1	01090	SV20	02/12/19	284911		-	-	-	Pass	21.5	17.8	19
L1905808-01	SV-1	169	2.7L Can	02/12/19	284911	L1905106-02	Pass	-29.2	-3.2	-	-	-	-
L1905808-02	SS-2	01146	SV20	02/12/19	284911		-	-	-	Pass	18.6	16.8	10
L1905808-02	SS-2	171	2.7L Can	02/12/19	284911	L1905106-02	Pass	-29.6	-4.8	-	-	-	-
L1905808-03	SS-3	01149	SV20	02/12/19	284911		-	-	-	Pass	18.8	16.6	12
L1905808-03	SS-3	158	2.7L Can	02/12/19	284911	L1905106-02	Pass	-29.6	-6.2	-	-	-	-
L1905808-04	SS-1	01096	SV20	02/12/19	284911		-	-	-	Pass	20.4	17.6	15
L1905808-04	SS-1	2225	2.7L Can	02/12/19	284911	L1905106-02	Pass	-28.3	-3.9	-	-	-	-

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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/08/19 18:15
Analyst: RY

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



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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1905106**Project Number:** CANISTER QC BAT**Report Date:** 02/20/19**Air Canister Certification Results**

Lab ID: L1905106-02

Date Collected: 02/07/19 16:00

Client ID: CAN 469 SHELF 1

Date Received: 02/08/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/08/19 18:15
Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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
1,1,1,2,2-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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1905106
Report Date: 02/20/19

Air Canister Certification Results

Lab ID: L1905106-02
Client ID: CAN 469 SHELF 1
Sample Location:

Date Collected: 02/07/19 16:00
Date Received: 02/08/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	99		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	98		60-140



Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1905808-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1905808-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1905808-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1905808-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30)

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

GLOSSARY

Acronyms

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.
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.
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.
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.

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.

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.

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.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: Data Usability Report



Project Name: 254 SCHOLES ST.**Lab Number:** L1905808**Project Number:** Not Specified**Report Date:** 02/20/19

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 Condensation Product".
- 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.
- 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.
- 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: 254 SCHOLLES ST.
Project Number: Not Specified

Lab Number: L1905808
Report Date: 02/20/19

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 its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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 CHAIN OF CUSTODY		PAGE <u>1</u> OF <u>1</u>		Date Rec'd in Lab: <u>2/14/19</u>		ALPHA Job #: <u>L1905808</u>																																																																																																																																																																																																																																																																						
320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>254 Scholes St</u> Project Location: <u>254 Scholes St. Brooklyn, NY</u> Project #: _____ Project Manager: <u>Matthew Carroll</u> ALPHA Quote #: _____		Report Information - Data Deliverables ☐ FAX ☒ ADEx Criteria Checker: _____ (Default based on Regulatory Criteria Indicated) Other Formats: _____ ☒ EMAIL (standard pdf report) ☒ Additional Deliverables: <u>CATB</u> Report to: (if different than Project Manager) _____		Billing Information ☐ Same as Client info PO #: _____																																																																																																																																																																																																																																																																						
Client Information Client: <u>Tenen Environmental</u> Address: <u>121 W. 27th St.</u> <u>NY, NY, 10001 Suite 702</u> Phone: <u>646-606-2332</u> Fax: _____ Email: <u>mcarroll@tenen-env.com</u>		Turn-Around Time ☒ Standard ☐ RUSH (only confirmed if pre-approved) Date Due: _____ Time: _____				Regulatory Requirements/Report Limits <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		State/Fed	Program	Res / Comm																																																																																																																																																																																																																																																																		
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☐ These samples have been previously analyzed by Alpha Other Project Specific Requirements/Comments: Project-Specific Target Compound List: ☐		All Columns Below Must Be Filled Out <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="4">COLLECTION</th> <th rowspan="2">Sample Matrix*</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">Can Size</th> <th rowspan="2">ID Can</th> <th rowspan="2">ID - Flow Controller</th> <th colspan="5">ANALYSIS</th> <th rowspan="2">Sample Comments (i.e. PID)</th> </tr> <tr> <th>End Date</th> <th>Start Time</th> <th>End Time</th> <th>Initial Vacuum</th> <th>Final Vacuum</th> <th>TO-15</th> <th>TO-15 SIM</th> <th>APH Subtract Non-petroleum HCs</th> <th>Fixed Gases</th> <th>Sulfides & Mercaptans by TO-15</th> </tr> </thead> <tbody> <tr> <td>905808-01</td> <td>SV-1</td> <td>2-13-19</td> <td>0952</td> <td>1151</td> <td>-29.34</td> <td>-4.58</td> <td>SV</td> <td>AP</td> <td>2.7</td> <td>169</td> <td>01090</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>SS-2</td> <td>2-13-19</td> <td>1231</td> <td>1439</td> <td>-29.81</td> <td>-5.98</td> <td>SV</td> <td>AP</td> <td>2.7</td> <td>171</td> <td>01146</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>SS-3</td> <td>2-13-19</td> <td>1245</td> <td>1447</td> <td>-29.34</td> <td>-6.41</td> <td>SV</td> <td>AP</td> <td>2.7</td> <td>158</td> <td>01149</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>SS-1</td> <td>2-13-19</td> <td>0916</td> <td>1116</td> <td>-28.06</td> <td>-4.15</td> <td>SV</td> <td>AP</td> <td>2.7</td> <td>225</td> <td>01096</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> *SAMPLE MATRIX CODES AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify						ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION				Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS					Sample Comments (i.e. PID)	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	905808-01	SV-1	2-13-19	0952	1151	-29.34	-4.58	SV	AP	2.7	169	01090	X						-02	SS-2	2-13-19	1231	1439	-29.81	-5.98	SV	AP	2.7	171	01146	X						-03	SS-3	2-13-19	1245	1447	-29.34	-6.41	SV	AP	2.7	158	01149	X						-04	SS-1	2-13-19	0916	1116	-28.06	-4.15	SV	AP	2.7	225	01096	X																																																																																																																																																																							
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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L1905826
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	254 SCHOLES ST.
Project Number:	254 SCHOLES ST.
Report Date:	03/06/19

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

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

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



Project Name: 254 SCHOLES ST.

Project Number: 254 SCHOLES ST.

Lab Number: L1905826

Report Date: 03/06/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1905826-01	SB-1 (7-9)	SOIL	254 SCHOLES ST.	02/12/19 14:15	02/13/19
L1905826-02	SB-1 (13-15)	SOIL	254 SCHOLES ST.	02/12/19 14:05	02/13/19
L1905826-03	SB-2 (0-2)	SOIL	254 SCHOLES ST.	02/12/19 10:20	02/13/19
L1905826-04	SB-3 (31-33)	SOIL	254 SCHOLES ST.	02/12/19 16:45	02/13/19
L1905826-05	SB-4 (13-15)	SOIL	254 SCHOLES ST.	02/13/19 14:00	02/13/19
L1905826-06	SB-5 (0-2)	SOIL	254 SCHOLES ST.	02/13/19 15:10	02/13/19
L1905826-07	SB-6 (3-5)	SOIL	254 SCHOLES ST.	02/13/19 11:00	02/13/19
L1905826-08	MW-1	WATER	254 SCHOLES ST.	02/13/19 14:25	02/13/19
L1905826-09	MW-2	WATER	254 SCHOLES ST.	02/13/19 11:10	02/13/19
L1905826-10	MW-3	WATER	254 SCHOLES ST.	02/13/19 12:55	02/13/19
L1905826-11	TRIP BLANK	WATER	254 SCHOLES ST.	02/12/19 00:00	02/13/19

Project Name: 254 SCHOLLES ST.
Project Number: 254 SCHOLLES ST.

Lab Number: L1905826
Report Date: 03/06/19

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: 254 SCHOLES ST.
Project Number: 254 SCHOLES ST.

Lab Number: L1905826
Report Date: 03/06/19

Case Narrative (continued)

Report Submission

March 06, 2019: This final report includes the results of all requested analyses.

February 21, 2019: 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.

Sample Receipt

L1905826-02: A sample identified as "SB-1 (13-15)" was listed on the Chain of Custody, but not received. This was verified by the client.

L1905826-04: Raw soil was not submitted for the analysis of Total Solids. At the client's request, the Total Solids result from L1905826-05 was utilized in the dry weight calculation of these sample results.

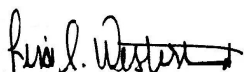
Total Metals

L1905826-01: 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 WG1207212-1 Method Blank, associated with L1905826-01, has a concentration above the reporting limit for iron. Since the associated sample concentration is greater than 10x the blank concentration for this analyte, no corrective action is required.

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:



Lisa Westerlind

Title: Technical Director/Representative

Date: 03/06/19

ORGANICS

VOLATILES

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01
 Client ID: SB-1 (7-9)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 14:15
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 10:13
 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	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	100	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-03
 Client ID: SB-2 (0-2)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 10:20
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 10:40
 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	5.7	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	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	0.38	J	ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-03
 Client ID: SB-2 (0-2)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/12/19 10:20
 Date Received: 02/13/19
 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	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	0.76	J	ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	1.2		ug/kg	1.1	0.33	1
Xylenes, Total	1.2		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	30		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	3.1	J	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	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	0.12	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-03**Date Collected:** 02/12/19 10:20**Client ID:** SB-2 (0-2)**Date Received:** 02/13/19**Sample Location:** 254 SCHOLLES ST.**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	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	0.41	J	ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	0.44	J	ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	110	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-04
 Client ID: SB-3 (31-33)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 16:45
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 12:27
 Analyst: MV
 Percent Solids: 95%

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	0.41	J	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	2.1		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	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	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-04
 Client ID: SB-3 (31-33)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/12/19 16:45
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.51	J	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	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	14		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	14		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	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	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	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: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-04**Date Collected:** 02/12/19 16:45**Client ID:** SB-3 (31-33)**Date Received:** 02/13/19**Sample Location:** 254 SCHOLLES ST.**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	100	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-05
 Client ID: SB-4 (13-15)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/13/19 14:00
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 11:06
 Analyst: MV
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	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: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-05
 Client ID: SB-4 (13-15)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/13/19 14:00
 Date Received: 02/13/19
 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	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	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	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	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	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-05
 Client ID: SB-4 (13-15)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/13/19 14:00
 Date Received: 02/13/19
 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	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	98	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-06
 Client ID: SB-5 (0-2)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/13/19 15:10
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 11:34
 Analyst: MV
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-06
 Client ID: SB-5 (0-2)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/13/19 15:10
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-06
 Client ID: SB-5 (0-2)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/13/19 15:10
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	100	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-07
 Client ID: SB-6 (3-5)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/13/19 11:00
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 02/19/19 12:01
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.30	J	ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-07

Date Collected: 02/13/19 11:00

Client ID: SB-6 (3-5)

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	7.2	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-07**Date Collected:** 02/13/19 11:00**Client ID:** SB-6 (3-5)**Date Received:** 02/13/19**Sample Location:** 254 SCHOLLES ST.**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	110	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

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

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-08 D

Date Collected: 02/13/19 14:25

Client ID: MW-1

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 02/16/19 16:45

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	9.3		ug/l	5.0	1.4	2
Chloroform	2.7	J	ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	1.6	J	ug/l	3.0	1.0	2
Tetrachloroethene	0.78	J	ug/l	1.0	0.36	2
Chlorobenzene	27		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	15		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	2.2		ug/l	1.0	0.32	2
Toluene	2.4	J	ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	2.0		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	1.9	J	ug/l	5.0	1.4	2

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-08 D

Date Collected: 02/13/19 14:25

Client ID: MW-1

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.56	J	ug/l	1.0	0.35	2
1,2-Dichlorobenzene	180		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	14		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	69		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	6.8		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	8.7	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-08 D

Date Collected: 02/13/19 14:25

Client ID: MW-1

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

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	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	95		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-09 D

Date Collected: 02/13/19 11:10

Client ID: MW-2

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 02/16/19 17:13

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	21		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	3.4	J	ug/l	3.8	1.2	2.5
Tetrachloroethene	1.1	J	ug/l	1.2	0.45	2.5
Chlorobenzene	42		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	13		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	1.8	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	3.2		ug/l	1.2	0.40	2.5
Toluene	7.4		ug/l	6.2	1.8	2.5
Ethylbenzene	12		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	12		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	2.3	J	ug/l	6.2	1.8	2.5

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-09 D

Date Collected: 02/13/19 11:10

Client ID: MW-2

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.9		ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	410		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	33		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	160		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	7.7		ug/l	6.2	1.8	2.5
o-Xylene	18		ug/l	6.2	1.8	2.5
Xylenes, Total	26		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	18		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	20	J	ug/l	6.2	1.8	2.5
Dibromomethane	ND		ug/l	12	2.5	2.5
1,2,3-Trichloropropane	ND		ug/l	6.2	1.8	2.5
Acrylonitrile	ND		ug/l	12	3.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
2,2-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,3-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	6.2	1.8	2.5
Bromobenzene	ND		ug/l	6.2	1.8	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
o-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
p-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Hexachlorobutadiene	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	5.9	J	ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-09 D

Date Collected: 02/13/19 11:10

Client ID: MW-2

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	2.0	J	ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	2.4	J	ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	7.6		ug/l	6.2	1.8	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
p-Diethylbenzene	ND		ug/l	5.0	1.8	2.5
p-Ethyltoluene	ND		ug/l	5.0	1.8	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	1.4	2.5
Ethyl ether	ND		ug/l	6.2	1.8	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	1.8	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	95		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-10 D

Date Collected: 02/13/19 12:55

Client ID: MW-3

Date Received: 02/13/19

Sample Location: 254 SCHOLES ST.

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 02/16/19 17:40

Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	4.6	J	ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	4.5		ug/l	3.0	1.0	2
Tetrachloroethene	2.7		ug/l	1.0	0.36	2
Chlorobenzene	38		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	19		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	1.6		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	150		ug/l	2.0	0.14	2
Chloroethane	3.4	J	ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	4.8	J	ug/l	5.0	1.4	2

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-10 D

Date Collected: 02/13/19 12:55

Client ID: MW-3

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	16		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	220		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	20		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	120		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	220		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	220	J	ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-10 D

Date Collected: 02/13/19 12:55

Client ID: MW-3

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

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	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	1.4	J	ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-11
 Client ID: TRIP BLANK
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 00:00
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 02/16/19 18:08
 Analyst: KJD

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: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

SAMPLE RESULTS

Lab ID: L1905826-11
 Client ID: TRIP BLANK
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/12/19 00:00
 Date Received: 02/13/19
 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: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-11**Date Collected:** 02/12/19 00:00**Client ID:** TRIP BLANK**Date Received:** 02/13/19**Sample Location:** 254 SCHOLLES ST.**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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/16/19 08:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1207629-5					
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: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/16/19 08:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1207629-5					
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: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/16/19 08:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-11 Batch: WG1207629-5					
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	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/19/19 09:20
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1208153-5					
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: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/19/19 09:20
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1208153-5					
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: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 02/19/19 09:20
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1208153-5					
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	100	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	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1207629-3 WG1207629-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	120		110		70-130	9		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	120		120		70-130	0		20
Bromoform	98		97		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	91		91		64-130	0		20
Bromomethane	37	Q	38	Q	39-139	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1207629-3 WG1207629-4								
Vinyl chloride	130		130		55-140	0		20
Chloroethane	140	Q	140	Q	55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	115		110		70-130	4		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	120		120		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	95		91		36-147	4		20
Acetone	75		71		58-148	5		20
Carbon disulfide	130		130		51-130	0		20
2-Butanone	95		96		63-138	1		20
Vinyl acetate	130		120		70-130	8		20
4-Methyl-2-pentanone	99		97		59-130	2		20
2-Hexanone	93		90		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1207629-3 WG1207629-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	97		94		70-130	3		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	75		73		63-130	3		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	89		88		70-130	1		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	87		85		70-130	2		20
1,2,4-Trichlorobenzene	91		87		70-130	4		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	102		90		56-162	13		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-11 Batch: WG1207629-3 WG1207629-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	94		91		70-130	3		20
Ethyl ether	110		110		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	97		95		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	95		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1208153-3 WG1208153-4								
Methylene chloride	80		79		70-130	1		30
1,1-Dichloroethane	82		81		70-130	1		30
Chloroform	82		79		70-130	4		30
Carbon tetrachloride	83		82		70-130	1		30
1,2-Dichloropropane	81		81		70-130	0		30
Dibromochloromethane	96		96		70-130	0		30
1,1,2-Trichloroethane	95		96		70-130	1		30
Tetrachloroethene	101		99		70-130	2		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	86		84		70-139	2		30
1,2-Dichloroethane	81		81		70-130	0		30
1,1,1-Trichloroethane	84		83		70-130	1		30
Bromodichloromethane	83		82		70-130	1		30
trans-1,3-Dichloropropene	100		99		70-130	1		30
cis-1,3-Dichloropropene	84		83		70-130	1		30
1,1-Dichloropropene	84		81		70-130	4		30
Bromoform	101		100		70-130	1		30
1,1,2,2-Tetrachloroethane	100		97		70-130	3		30
Benzene	83		81		70-130	2		30
Toluene	98		97		70-130	1		30
Ethylbenzene	101		99		70-130	2		30
Chloromethane	86		86		52-130	0		30
Bromomethane	94		84		57-147	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1208153-3 WG1208153-4								
Vinyl chloride	83		80		67-130	4		30
Chloroethane	82		80		50-151	2		30
1,1-Dichloroethene	84		80		65-135	5		30
trans-1,2-Dichloroethene	86		82		70-130	5		30
Trichloroethene	84		82		70-130	2		30
1,2-Dichlorobenzene	102		98		70-130	4		30
1,3-Dichlorobenzene	105		101		70-130	4		30
1,4-Dichlorobenzene	103		100		70-130	3		30
Methyl tert butyl ether	82		82		66-130	0		30
p/m-Xylene	100		99		70-130	1		30
o-Xylene	100		99		70-130	1		30
cis-1,2-Dichloroethene	84		82		70-130	2		30
Dibromomethane	81		81		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	91		89		30-146	2		30
Acetone	73		74		54-140	1		30
Carbon disulfide	81		78		59-130	4		30
2-Butanone	82		74		70-130	10		30
Vinyl acetate	84		83		70-130	1		30
4-Methyl-2-pentanone	95		94		70-130	1		30
1,2,3-Trichloropropane	99		99		68-130	0		30
2-Hexanone	88		88		70-130	0		30
Bromochloromethane	86		83		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1208153-3 WG1208153-4								
2,2-Dichloropropane	83		81		70-130	2		30
1,2-Dibromoethane	98		96		70-130	2		30
1,3-Dichloropropane	96		95		69-130	1		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	103		100		70-130	3		30
n-Butylbenzene	108		102		70-130	6		30
sec-Butylbenzene	106		102		70-130	4		30
tert-Butylbenzene	106		102		70-130	4		30
o-Chlorotoluene	105		101		70-130	4		30
p-Chlorotoluene	106		101		70-130	5		30
1,2-Dibromo-3-chloropropane	98		96		68-130	2		30
Hexachlorobutadiene	106		100		67-130	6		30
Isopropylbenzene	106		102		70-130	4		30
p-Isopropyltoluene	107		103		70-130	4		30
Naphthalene	100		97		70-130	3		30
Acrylonitrile	82		79		70-130	4		30
n-Propylbenzene	107		103		70-130	4		30
1,2,3-Trichlorobenzene	101		99		70-130	2		30
1,2,4-Trichlorobenzene	105		100		70-130	5		30
1,3,5-Trimethylbenzene	107		103		70-130	4		30
1,2,4-Trimethylbenzene	106		102		70-130	4		30
1,4-Dioxane	86		87		65-136	1		30
p-Diethylbenzene	108		102		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1208153-3 WG1208153-4								
p-Ethyltoluene	108		104		70-130	4		30
1,2,4,5-Tetramethylbenzene	107		102		70-130	5		30
Ethyl ether	79		78		67-130	1		30
trans-1,4-Dichloro-2-butene	97		95		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		97		70-130
Toluene-d8	109		110		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	97		96		70-130

SEMIVOLATILES

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01
 Client ID: SB-1 (7-9)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 14:15
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 02/19/19 02:04
 Analyst: IM
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 13:04

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	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	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: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	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	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	54		18-120

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 02/18/19 23:08
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 13:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1207450-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
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: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 02/18/19 23:08
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 13:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1207450-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 02/18/19 23:08
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 13:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1207450-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	64		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1207450-2 WG1207450-3								
Acenaphthene	57		55		31-137	4		50
1,2,4-Trichlorobenzene	59		58		38-107	2		50
Hexachlorobenzene	62		59		40-140	5		50
Bis(2-chloroethyl)ether	58		57		40-140	2		50
2-Chloronaphthalene	60		59		40-140	2		50
1,2-Dichlorobenzene	56		55		40-140	2		50
1,3-Dichlorobenzene	54		53		40-140	2		50
1,4-Dichlorobenzene	54		54		28-104	0		50
3,3'-Dichlorobenzidine	41		38	Q	40-140	8		50
2,4-Dinitrotoluene	60		57		40-132	5		50
2,6-Dinitrotoluene	68		65		40-140	5		50
Fluoranthene	67		64		40-140	5		50
4-Chlorophenyl phenyl ether	59		56		40-140	5		50
4-Bromophenyl phenyl ether	62		59		40-140	5		50
Bis(2-chloroisopropyl)ether	56		56		40-140	0		50
Bis(2-chloroethoxy)methane	64		63		40-117	2		50
Hexachlorobutadiene	56		54		40-140	4		50
Hexachlorocyclopentadiene	57		55		40-140	4		50
Hexachloroethane	57		57		40-140	0		50
Isophorone	71		71		40-140	0		50
Naphthalene	57		55		40-140	4		50
Nitrobenzene	64		63		40-140	2		50
NDPA/DPA	65		61		36-157	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1207450-2 WG1207450-3								
n-Nitrosodi-n-propylamine	71		68		32-121	4		50
Bis(2-ethylhexyl)phthalate	61		58		40-140	5		50
Butyl benzyl phthalate	68		66		40-140	3		50
Di-n-butylphthalate	72		68		40-140	6		50
Di-n-octylphthalate	69		66		40-140	4		50
Diethyl phthalate	66		62		40-140	6		50
Dimethyl phthalate	70		67		40-140	4		50
Benzo(a)anthracene	67		63		40-140	6		50
Benzo(a)pyrene	68		65		40-140	5		50
Benzo(b)fluoranthene	68		63		40-140	8		50
Benzo(k)fluoranthene	65		62		40-140	5		50
Chrysene	58		55		40-140	5		50
Acenaphthylene	70		68		40-140	3		50
Anthracene	62		60		40-140	3		50
Benzo(ghi)perylene	62		58		40-140	7		50
Fluorene	61		58		40-140	5		50
Phenanthrene	58		55		40-140	5		50
Dibenzo(a,h)anthracene	63		59		40-140	7		50
Indeno(1,2,3-cd)pyrene	64		60		40-140	6		50
Pyrene	64		62		35-142	3		50
Biphenyl	65		64		54-104	2		50
4-Chloroaniline	33	Q	34	Q	40-140	3		50
2-Nitroaniline	68		66		47-134	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1207450-2 WG1207450-3								
3-Nitroaniline	44		43		26-129	2		50
4-Nitroaniline	62		61		41-125	2		50
Dibenzofuran	58		55		40-140	5		50
2-Methylnaphthalene	60		59		40-140	2		50
1,2,4,5-Tetrachlorobenzene	63		61		40-117	3		50
Acetophenone	71		70		14-144	1		50
2,4,6-Trichlorophenol	72		69		30-130	4		50
p-Chloro-m-cresol	72		68		26-103	6		50
2-Chlorophenol	62		62		25-102	0		50
2,4-Dichlorophenol	68		68		30-130	0		50
2,4-Dimethylphenol	66		66		30-130	0		50
2-Nitrophenol	64		64		30-130	0		50
4-Nitrophenol	65		62		11-114	5		50
2,4-Dinitrophenol	52		51		4-130	2		50
4,6-Dinitro-o-cresol	60		58		10-130	3		50
Pentachlorophenol	61		57		17-109	7		50
Phenol	63		62		26-90	2		50
2-Methylphenol	67		66		30-130.	2		50
3-Methylphenol/4-Methylphenol	69		68		30-130	1		50
2,4,5-Trichlorophenol	69		67		30-130	3		50
Benzoic Acid	58		52		10-110	11		50
Benzyl Alcohol	68		68		40-140	0		50
Carbazole	67		64		54-128	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1207450-2 WG1207450-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		60		25-120
Phenol-d6	66		65		10-120
Nitrobenzene-d5	64		64		23-120
2-Fluorobiphenyl	62		60		30-120
2,4,6-Tribromophenol	58		55		10-136
4-Terphenyl-d14	64		60		18-120

PCBS

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01
 Client ID: SB-1 (7-9)
 Sample Location: 254 SCHOLLES ST.

Date Collected: 02/12/19 14:15
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 02/19/19 06:56
 Analyst: HT
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 12:12
 Cleanup Method: EPA 3665A
 Cleanup Date: 02/16/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 02/17/19

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	4.82	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	6.61	1	A
Aroclor 1262	ND		ug/kg	35.8	4.54	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	65		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 02/19/19 03:31
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 12:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 02/16/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 02/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1207436-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.90	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.88	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.14	A
Aroclor 1268	ND		ug/kg	32.6	3.37	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1207436-2 WG1207436-3									
Aroclor 1016	73		73		40-140	0		50	A
Aroclor 1260	67		65		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	A
Decachlorobiphenyl	72		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		76		30-150	B
Decachlorobiphenyl	82		85		30-150	B

PESTICIDES

Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01
 Client ID: SB-1 (7-9)
 Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 14:15
 Date Received: 02/13/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 02/17/19 19:50
 Analyst: SL
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 11:29
 Cleanup Method: EPA 3620B
 Cleanup Date: 02/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.321	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.968	1	B
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	B
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	ND	IP	ug/kg	2.15	0.600	1	B
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**SAMPLE RESULTS**

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	86		30-150	A

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 02/17/19 18:46
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 11:23
 Cleanup Method: EPA 3620B
 Cleanup Date: 02/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1207426-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.593	A
Heptachlor	ND		ug/kg	0.782	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.403	A
Dieldrin	ND		ug/kg	0.977	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.362	A
4,4'-DDD	ND		ug/kg	1.56	0.558	A
4,4'-DDT	ND		ug/kg	2.93	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.912	A
Toxaphene	ND		ug/kg	29.3	8.21	A
cis-Chlordane	ND		ug/kg	1.95	0.545	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	12.7	5.18	A

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 02/17/19 18:46
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 02/16/19 11:23
 Cleanup Method: EPA 3620B
 Cleanup Date: 02/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1207426-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	69		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1207426-2 WG1207426-3									
Delta-BHC	71		66		30-150	7		30	A
Lindane	75		69		30-150	8		30	A
Alpha-BHC	78		73		30-150	7		30	A
Beta-BHC	68		64		30-150	6		30	A
Heptachlor	76		72		30-150	5		30	A
Aldrin	74		70		30-150	6		30	A
Heptachlor epoxide	77		72		30-150	7		30	A
Endrin	80		74		30-150	8		30	A
Endrin aldehyde	61		55		30-150	10		30	A
Endrin ketone	72		64		30-150	12		30	A
Dieldrin	81		76		30-150	6		30	A
4,4'-DDE	73		71		30-150	3		30	A
4,4'-DDD	75		67		30-150	11		30	A
4,4'-DDT	79		72		30-150	9		30	A
Endosulfan I	72		69		30-150	4		30	A
Endosulfan II	76		67		30-150	13		30	A
Endosulfan sulfate	56		55		30-150	2		30	A
Methoxychlor	74		65		30-150	13		30	A
cis-Chlordane	66		64		30-150	3		30	A
trans-Chlordane	69		68		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1207426-2 WG1207426-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		63		30-150	B
Decachlorobiphenyl	67		72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		63		30-150	A
Decachlorobiphenyl	77		70		30-150	A

METALS

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

SAMPLE RESULTS

Lab ID: L1905826-01

Date Collected: 02/12/19 14:15

Client ID: SB-1 (7-9)

Date Received: 02/13/19

Sample Location: 254 SCHOLLES ST.

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	4340		mg/kg	8.62	2.33	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Antimony, Total	0.689	J	mg/kg	4.31	0.327	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Arsenic, Total	2.44		mg/kg	0.862	0.179	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Barium, Total	30.5		mg/kg	0.862	0.150	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Beryllium, Total	0.310	J	mg/kg	0.431	0.028	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.862	0.084	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Calcium, Total	471		mg/kg	8.62	3.02	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Chromium, Total	12.8		mg/kg	0.862	0.083	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Cobalt, Total	5.92		mg/kg	1.72	0.143	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Copper, Total	9.23		mg/kg	0.862	0.222	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Iron, Total	15800		mg/kg	4.31	0.778	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Lead, Total	4.93		mg/kg	4.31	0.231	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Magnesium, Total	1240		mg/kg	8.62	1.33	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Manganese, Total	398		mg/kg	0.862	0.137	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.014	1	02/15/19 09:00	02/15/19 17:36	EPA 7471B	1,7471B	GD
Nickel, Total	9.07		mg/kg	2.15	0.208	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Potassium, Total	686		mg/kg	215	12.4	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Selenium, Total	0.319	J	mg/kg	1.72	0.222	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.862	0.244	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Sodium, Total	144	J	mg/kg	172	2.71	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.271	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Vanadium, Total	21.0		mg/kg	0.862	0.175	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC
Zinc, Total	22.2		mg/kg	4.31	0.252	2	02/15/19 20:40	02/18/19 19:51	EPA 3050B	1,6010D	MC



Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

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 Batch: WG1206970-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	02/15/19 09:00	02/15/19 13:35	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1207212-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Iron, Total	2.11		mg/kg	2.00	0.361	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	02/15/19 20:40	02/18/19 17:11	1,6010D	AB

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 254 SCHOLES ST.**Project Number:** 254 SCHOLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1206970-2 SRM Lot Number: D101-540								
Mercury, Total	92		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLES ST.

Report Date: 03/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1207212-2 SRM Lot Number: D101-540					
Aluminum, Total	58	-	50-151	-	
Antimony, Total	154	-	3-196	-	
Arsenic, Total	90	-	83-117	-	
Barium, Total	84	-	83-118	-	
Beryllium, Total	91	-	83-117	-	
Cadmium, Total	97	-	83-117	-	
Calcium, Total	81	-	81-119	-	
Chromium, Total	86	-	81-118	-	
Cobalt, Total	95	-	84-116	-	
Copper, Total	84	-	83-116	-	
Iron, Total	70	-	62-138	-	
Lead, Total	83	-	83-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	85	-	82-118	-	
Nickel, Total	95	-	82-117	-	
Potassium, Total	72	-	71-130	-	
Selenium, Total	93	-	79-121	-	
Silver, Total	81	-	80-120	-	
Sodium, Total	92	-	72-127	-	
Thallium, Total	99	-	81-119	-	
Vanadium, Total	81	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 254 SCHOLES ST.**Project Number:** 254 SCHOLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1207212-2 SRM Lot Number: D101-540					
Zinc, Total	90	-	81-119	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

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 QC Batch ID: WG1206970-3 QC Sample: L1906049-01 Client ID: MS Sample												
Mercury, Total	ND	0.217	0.183	84		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: 254 SCHOLLES ST.

Lab Number: L1905826

Report Date: 03/06/19

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 QC Batch ID: WG1207212-3 QC Sample: L1905653-01 Client ID: MS Sample									
Aluminum, Total	9080	193	8380	0	Q	-	75-125	-	20
Antimony, Total	2.80	48.2	39.4	76		-	75-125	-	20
Arsenic, Total	18.9	11.6	28.2	80		-	75-125	-	20
Barium, Total	87.1	193	228	73	Q	-	75-125	-	20
Beryllium, Total	0.458	4.82	3.75	68	Q	-	75-125	-	20
Cadmium, Total	ND	4.92	2.40	49	Q	-	75-125	-	20
Calcium, Total	36600	965	39200	269	Q	-	75-125	-	20
Chromium, Total	41.3	19.3	38.0	0	Q	-	75-125	-	20
Cobalt, Total	9.19	48.2	42.2	68	Q	-	75-125	-	20
Copper, Total	48.4	24.1	167	492	Q	-	75-125	-	20
Iron, Total	30600	96.5	37200	6840	Q	-	75-125	-	20
Lead, Total	131	49.2	513	776	Q	-	75-125	-	20
Magnesium, Total	10800	965	8430	0	Q	-	75-125	-	20
Manganese, Total	835	48.2	417	0	Q	-	75-125	-	20
Nickel, Total	25.1	48.2	56.1	64	Q	-	75-125	-	20
Potassium, Total	1040	965	1730	71	Q	-	75-125	-	20
Selenium, Total	1.28	11.6	10.5	80		-	75-125	-	20
Silver, Total	ND	29	26.4	91		-	75-125	-	20
Sodium, Total	1020	965	1810	82		-	75-125	-	20
Thallium, Total	ND	11.6	7.23	62	Q	-	75-125	-	20
Vanadium, Total	50.7	48.2	84.2	69	Q	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Lab Number: L1905826

Project Number: 254 SCHOLLES ST.

Report Date: 03/06/19

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 QC Batch ID: WG1207212-3 QC Sample: L1905653-01 Client ID: MS Sample									
Zinc, Total	142	48.2	375	483	Q	-	-	75-125	- 20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 254 SCHOLLES ST.

Project Number: 254 SCHOLLES ST.

Lab Number: L1905826

Report Date: 03/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1206970-4 QC Sample: L1906049-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1207212-4 QC Sample: L1905653-01 Client ID: DUP Sample						
Arsenic, Total	18.9	13.1	mg/kg	36	Q	20

INORGANICS & MISCELLANEOUS

Project Name: 254 SCHOLES ST.**Project Number:** 254 SCHOLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-01**Client ID:** SB-1 (7-9)**Sample Location:** 254 SCHOLES ST.**Date Collected:** 02/12/19 14:15**Date Received:** 02/13/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Project Name: 254 SCHOLES ST.**Project Number:** 254 SCHOLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-03**Client ID:** SB-2 (0-2)**Sample Location:** 254 SCHOLES ST.**Date Collected:** 02/12/19 10:20**Date Received:** 02/13/19**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	85.0		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Project Name: 254 SCHOLES ST.

Project Number: 254 SCHOLES ST.

Lab Number: L1905826

Report Date: 03/06/19

SAMPLE RESULTS

Lab ID: L1905826-04

Client ID: SB-3 (31-33)

Sample Location: 254 SCHOLES ST.

Date Collected: 02/12/19 16:45

Date Received: 02/13/19

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	94.5		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Project Name: 254 SCHOLES ST.**Project Number:** 254 SCHOLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19**SAMPLE RESULTS****Lab ID:** L1905826-05**Client ID:** SB-4 (13-15)**Sample Location:** 254 SCHOLES ST.**Date Collected:** 02/13/19 14:00**Date Received:** 02/13/19**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	94.5		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Project Name: 254 SCHOLES ST.

Project Number: 254 SCHOLES ST.

Lab Number: L1905826

Report Date: 03/06/19

SAMPLE RESULTS

Lab ID: L1905826-06

Client ID: SB-5 (0-2)

Sample Location: 254 SCHOLES ST.

Date Collected: 02/13/19 15:10

Date Received: 02/13/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Project Name: 254 SCHOLES ST.

Project Number: 254 SCHOLES ST.

Lab Number: L1905826

Report Date: 03/06/19

SAMPLE RESULTS

Lab ID: L1905826-07

Client ID: SB-6 (3-5)

Sample Location: 254 SCHOLES ST.

Date Collected: 02/13/19 11:00

Date Received: 02/13/19

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	86.0		%	0.100	NA	1	-	02/14/19 13:15	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 254 SCHOLLES ST.**Project Number:** 254 SCHOLLES ST.**Lab Number:** L1905826**Report Date:** 03/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-07 QC Batch ID: WG1206746-1 QC Sample: L1905686-03 Client ID: DUP Sample						
Solids, Total	79.7	78.2	%	2		20

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**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(*)
L1905826-01A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-01B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-01C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1905826-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1905826-01F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1905826-01X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-01Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-01Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-03A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-03B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-03C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-03D	Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		HOLD-METAL(180)
L1905826-03E	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1905826-03F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		HOLD-CONTINGENCY(14)
L1905826-03X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-03Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-03Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-04A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-04B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1905826-04C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-04X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-04Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-04Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-05A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-05B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-05C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-05D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1905826-05X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-05Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-05Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-06A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-06B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-06C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-06D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1905826-06X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-06Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-06Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-07A	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-07B	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-07C	5 gram Encore Sampler	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-07D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1905826-07X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L1905826-07Y	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-07Z	Vial Water preserved split	A	NA		4.0	Y	Absent	14-FEB-19 06:50	NYTCL-8260HLW(14)
L1905826-08A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-08B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-08C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)

Project Name: 254 SCHOLLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLLES ST.**Report Date:** 03/06/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1905826-09A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-09B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-09C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-10A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-10B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-10C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-11A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-11B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-11C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)
L1905826-11D	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260(14)

Project Name: 254 SCHOLLES ST.
Project Number: 254 SCHOLLES ST.

Lab Number: L1905826
Report Date: 03/06/19

GLOSSARY

Acronyms

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.
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.
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.
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.

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.

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.

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.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: DU Report with 'J' Qualifiers



Project Name: 254 SCHOLES ST.**Lab Number:** L1905826**Project Number:** 254 SCHOLES ST.**Report Date:** 03/06/19

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 Condensation Product".
- 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.
- 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 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: 254 SCHOLLES ST.
Project Number: 254 SCHOLLES ST.

Lab Number: L1905826
Report Date: 03/06/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 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 its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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		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 2		Date Rec'd in Lab 2/13/19		ALPHA Job # 11905826									
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: 254 Scholes St Project Location: " "		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #									
Client Information Client: Tenen Environmental Address: 121 W 27th St, 7th Fl New York, NY 10001 Phone: 646-606-2332 Fax: aplatt@tenen-env.com Email: mcarroll@tenen-env.com		(Use Project name as Project #) ☒ Project Manager: M. Carroll ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		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: Cat-B Deliverables, HOLD SB-2(0-2) SVOCs, PCBs, Pests + metals				ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles									
Please specify Metals or TAL.				VOCs SVOCs PCBs Pesticides TAL Metals		Sample Specific Comments											
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	SVOCs	PCBs	Pesticides	TAL Metals							
05826	-01 SB-1 (7-9)	2/12/19	1415	Soil	AP	X	X	X	X	X							
	-02 SB-1 (13-15)	2/12/19	1405			X											3
	-03 SB-2 (0-2)	2/12/19	1020			X											3
	-04 SB-3 (31-33)	2/12/19	1645			X											3
	-05 SB-4 (13-15)	2/13/19	1400			X											3
	-06 SB-5 (0-2)	2/13/19	1510			X											3
	-07 SB-6 (3-5)	2/13/19	1100			X											3
	-08 MW-1	2/13/19	1425	Water		X											3
	-09 MW-2	2/13/19	1110			X											3
	-10 MW-3	2/13/19	1255			X											3
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type E/A A A A A		Preservative A/B A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)							
Relinquished By: A. Platt		Date/Time: 2/13/19 18:42		Received By: D. Santos		Date/Time: 2/13/19 16:45		Date/Time: 2/13/19 1900		Date/Time: 2/13/19 2240		Date/Time: 2/13/19 2240		Date/Time: 2/13/19 2240		Date/Time: 2/13/19 2240	



ANALYTICAL REPORT

Lab Number: L1910570

Client: Tenen Environmental, LLC
121 West 27th Street
Suite 702
New York City, NY 10001

ATTN: Alana Carroll

Phone: (646) 606-2332

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

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

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

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



Project Name: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1910570-01	IA-1	AIR	254 SHOLES STREET	03/18/19 17:03	03/18/19
L1910570-02	IA-2	AIR	254 SHOLES STREET	03/18/19 17:07	03/18/19
L1910570-03	IA-3	AIR	254 SHOLES STREET	03/18/19 17:10	03/18/19
L1910570-04	IA-4	AIR	254 SHOLES STREET	03/18/19 17:13	03/18/19
L1910570-05	AA-1	AIR	254 SHOLES STREET	03/18/19 17:15	03/18/19

Project Name: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

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: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 15, 2019. The canister certification results are provided as an addendum.

Volatile Organics in Air

L1910570-01, -03, and -04: 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.

L1910570-03 and -04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1218169-3 LCS recoveries for propylene (145%) and ethyl acetate (161%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes, or were re-analyzed on an instrument with acceptable LCS criteria.

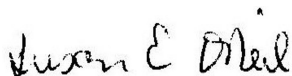
WG1218169-5: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

Volatile Organics in Air by SIM

The WG1218168-3 LCS recovery for ethyl acetate (146%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 03/22/19

AIR

Project Name: 254 SHOLES STREET**Project Number:** 254 SHOLES STREET**Lab Number:** L1910570**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-01
 Client ID: IA-1
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:03
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/19 22:05
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.435	0.200	--	2.15	0.989	--		1
Chloromethane	0.506	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	522	5.00	--	984	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	157	1.00	--	373	2.38	--		1
Trichlorofluoromethane	0.509	0.200	--	2.86	1.12	--		1
Isopropanol	15.1	0.500	--	37.1	1.23	--		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
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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-01

Client ID: IA-1

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:03

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.524	0.200	--	1.67	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	24.3	0.200	--	99.6	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	22.7	0.200	--	85.5	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
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
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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-01

Date Collected: 03/18/19 17:03

Client ID: IA-1

Date Received: 03/18/19

Sample Location: 254 SHOLES STREET

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
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	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-01

Client ID: IA-1

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:03

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/19 22:05

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	0.035	0.020	--	0.188	0.107	--		1
Tetrachloroethene	0.075	0.020	--	0.509	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-01 D
 Client ID: IA-1
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:03
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/19 07:54
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	377	7.14	--	710	13.5	--		1.429
Ethyl Acetate	ND	0.714	--	ND	2.57	--		1.429

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	71		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140



Project Name: 254 SHOLES STREET**Project Number:** 254 SHOLES STREET**Lab Number:** L1910570**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-02
 Client ID: IA-2
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:07
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/19 23:24
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.455	0.200	--	2.25	0.989	--		1
Chloromethane	0.505	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	206	5.00	--	388	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	308	1.00	--	732	2.38	--		1
Trichlorofluoromethane	0.328	0.200	--	1.84	1.12	--		1
Isopropanol	4.33	0.500	--	10.6	1.23	--		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
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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-02

Client ID: IA-2

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:07

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.482	0.200	--	1.54	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	45.6	0.200	--	187	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	43.6	0.200	--	164	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
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
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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-02

Date Collected: 03/18/19 17:07

Client ID: IA-2

Date Received: 03/18/19

Sample Location: 254 SHOLES STREET

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-02

Client ID: IA-2

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:07

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/22/19 10:03

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	64.9	5.00	--	122	9.42	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	64		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	76		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-02
 Client ID: IA-2
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:07
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/21/19 23:24
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	0.021	0.020	--	0.113	0.107	--		1
Tetrachloroethene	0.038	0.020	--	0.258	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-03
 Client ID: IA-3
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:10
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/19 00:04
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.453	0.200	--	2.24	0.989	--		1
Chloromethane	0.558	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	555	5.00	--	1050	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	630	1.00	--	1500	2.38	--	E	1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	14.2	0.500	--	34.9	1.23	--		1
Tertiary butyl Alcohol	0.744	0.500	--	2.26	1.52	--		1
Methylene chloride	1.51	0.500	--	5.25	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	0.585	0.500	--	1.73	1.47	--		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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-03

Client ID: IA-3

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:10

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.280	0.200	--	0.895	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	98.6	0.200	--	404	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	92.9	0.200	--	350	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
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
1,1,1,2,2-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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-03

Date Collected: 03/18/19 17:10

Client ID: IA-3

Date Received: 03/18/19

Sample Location: 254 SHOLES STREET

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-03
 Client ID: IA-3
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:10
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/19 00:04
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.063	0.020	--	0.396	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.045	0.020	--	0.305	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-03 D
 Client ID: IA-3
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:10
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/22/19 10:22

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	575	10.0	--	1080	18.8	--		2
Acetone	686	2.00	--	1630	4.75	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: 254 SHOLES STREET**Project Number:** 254 SHOLES STREET**Lab Number:** L1910570**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-04
 Client ID: IA-4
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:13
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/19 00:44
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.451	0.200	--	2.23	0.989	--		1
Chloromethane	0.565	0.200	--	1.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	350	5.00	--	659	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1060	1.00	--	2520	2.38	--	E	1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	7.00	0.500	--	17.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.525	0.500	--	1.82	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	0.530	0.500	--	1.56	1.47	--		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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-04

Client ID: IA-4

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:13

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.275	0.200	--	0.969	0.705	--		1
Benzene	0.285	0.200	--	0.910	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	195	0.200	--	799	0.820	--	E	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	178	0.200	--	671	0.754	--	E	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
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
1,1,1,2,2-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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-04

Date Collected: 03/18/19 17:13

Client ID: IA-4

Date Received: 03/18/19

Sample Location: 254 SHOLES STREET

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-04
 Client ID: IA-4
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:13
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/19 00:44
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-04 D
 Client ID: IA-4
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:13
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/22/19 10:59

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Acetone	1430	4.17	--	3400	9.91	--		4.167
Heptane	218	0.833	--	893	3.41	--		4.167
Toluene	192	0.833	--	724	3.14	--		4.167

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



Project Name: 254 SHOLES STREET**Project Number:** 254 SHOLES STREET**Lab Number:** L1910570**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-05
 Client ID: AA-1
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:15
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/19 21:25
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.439	0.200	--	2.17	0.989	--		1
Chloromethane	0.483	0.200	--	0.997	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	10.4	1.00	--	24.7	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		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
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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-05

Client ID: AA-1

Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:15

Date Received: 03/18/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.248	0.200	--	0.792	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.03	0.200	--	4.22	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	1.16	0.200	--	4.37	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
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
1,1,1,2,2-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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-05

Date Collected: 03/18/19 17:15

Client ID: AA-1

Date Received: 03/18/19

Sample Location: 254 SHOLES STREET

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**SAMPLE RESULTS**

Lab ID: L1910570-05
 Client ID: AA-1
 Sample Location: 254 SHOLES STREET

Date Collected: 03/18/19 17:15
 Date Received: 03/18/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/21/19 21:25
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/19 15:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1218168-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	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	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	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



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/19 15:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1218168-4								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		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
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	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
2-Hexanone	ND	0.200	--	ND	0.820	--		1



Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/19 15:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1218168-4								
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
Xylene (Total)	ND	0.020	--	ND	0.087	--		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
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	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
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



Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/19 15:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1218168-4								
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

Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1218169-4								
Propylene	ND	0.500	--	ND	0.861	--		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
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1218169-4								
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	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



Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1218169-4								
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
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

Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 17:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1218544-4								
Propylene	ND	0.500	--	ND	0.861	--		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
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 17:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1218544-4								
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	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



Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/19 17:28

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1218544-4								
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
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: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218168-3								
Propylene	127		-		70-130	-		25
Dichlorodifluoromethane	89		-		70-130	-		25
Chloromethane	84		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95		-		70-130	-		25
Vinyl chloride	116		-		70-130	-		25
1,3-Butadiene	97		-		70-130	-		25
Bromomethane	107		-		70-130	-		25
Chloroethane	95		-		70-130	-		25
Ethyl Alcohol	129		-		40-160	-		25
Vinyl bromide	104		-		70-130	-		25
Acetone	73		-		40-160	-		25
Trichlorofluoromethane	76		-		70-130	-		25
iso-Propyl Alcohol	83		-		40-160	-		25
Acrylonitrile	115		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
tert-Butyl Alcohol ¹	114		-		70-130	-		25
Methylene chloride	98		-		70-130	-		25
3-Chloropropene	118		-		70-130	-		25
Carbon disulfide	100		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		-		70-130	-		25
trans-1,2-Dichloroethene	115		-		70-130	-		25
1,1-Dichloroethane	110		-		70-130	-		25
Methyl tert butyl ether	84		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218168-3								
Vinyl acetate	105		-		70-130	-		25
2-Butanone	98		-		70-130	-		25
cis-1,2-Dichloroethene	120		-		70-130	-		25
Ethyl Acetate	146	Q	-		70-130	-		25
Chloroform	102		-		70-130	-		25
Tetrahydrofuran	102		-		70-130	-		25
1,2-Dichloroethane	83		-		70-130	-		25
n-Hexane	122		-		70-130	-		25
1,1,1-Trichloroethane	76		-		70-130	-		25
Benzene	94		-		70-130	-		25
Carbon tetrachloride	88		-		70-130	-		25
Cyclohexane	122		-		70-130	-		25
Dibromomethane ¹	83		-		70-130	-		25
1,2-Dichloropropane	108		-		70-130	-		25
Bromodichloromethane	101		-		70-130	-		25
1,4-Dioxane	117		-		70-130	-		25
Trichloroethene	97		-		70-130	-		25
2,2,4-Trimethylpentane	123		-		70-130	-		25
cis-1,3-Dichloropropene	78		-		70-130	-		25
4-Methyl-2-pentanone	88		-		70-130	-		25
trans-1,3-Dichloropropene	95		-		70-130	-		25
1,1,2-Trichloroethane	100		-		70-130	-		25
Toluene	99		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218168-3								
2-Hexanone	86		-		70-130	-		25
Dibromochloromethane	114		-		70-130	-		25
1,2-Dibromoethane	97		-		70-130	-		25
Tetrachloroethene	95		-		70-130	-		25
1,1,1,2-Tetrachloroethane	99		-		70-130	-		25
Chlorobenzene	98		-		70-130	-		25
Ethylbenzene	96		-		70-130	-		25
p/m-Xylene	96		-		70-130	-		25
Bromoform	126		-		70-130	-		25
Styrene	93		-		70-130	-		25
1,1,2,2-Tetrachloroethane	123		-		70-130	-		25
o-Xylene	97		-		70-130	-		25
1,2,3-Trichloropropane ¹	95		-		70-130	-		25
Isopropylbenzene	90		-		70-130	-		25
Bromobenzene ¹	95		-		70-130	-		25
4-Ethyltoluene	95		-		70-130	-		25
1,3,5-Trimethylbenzene	96		-		70-130	-		25
1,2,4-Trimethylbenzene	99		-		70-130	-		25
Benzyl chloride	100		-		70-130	-		25
1,3-Dichlorobenzene	98		-		70-130	-		25
1,4-Dichlorobenzene	96		-		70-130	-		25
sec-Butylbenzene	91		-		70-130	-		25
p-Isopropyltoluene	82		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218168-3								
1,2-Dichlorobenzene	101		-		70-130	-		25
n-Butylbenzene	81		-		70-130	-		25
1,2,4-Trichlorobenzene	85		-		70-130	-		25
Naphthalene	86		-		70-130	-		25
1,2,3-Trichlorobenzene	90		-		70-130	-		25
Hexachlorobutadiene	101		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218169-3								
Propylene	145	Q	-		70-130	-		
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	106		-		70-130	-		
Vinyl chloride	128		-		70-130	-		
1,3-Butadiene	106		-		70-130	-		
Bromomethane	115		-		70-130	-		
Chloroethane	104		-		70-130	-		
Ethanol	111		-		40-160	-		
Vinyl bromide	101		-		70-130	-		
Acetone	81		-		40-160	-		
Trichlorofluoromethane	78		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	115		-		70-130	-		
Tertiary butyl Alcohol	113		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	126		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
Freon-113	107		-		70-130	-		
trans-1,2-Dichloroethene	121		-		70-130	-		
1,1-Dichloroethane	119		-		70-130	-		
Methyl tert butyl ether	87		-		70-130	-		
Vinyl acetate	114		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218169-3								
2-Butanone	106		-		70-130	-		
cis-1,2-Dichloroethene	125		-		70-130	-		
Ethyl Acetate	161	Q	-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	112		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	121		-		70-130	-		
1,1,1-Trichloroethane	81		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	91		-		70-130	-		
Cyclohexane	121		-		70-130	-		
1,2-Dichloropropane	116		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	123		-		70-130	-		
Heptane	95		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	108		-		70-130	-		
2-Hexanone	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1218169-3								
Dibromochloromethane	115		-		70-130	-		
1,2-Dibromoethane	103		-		70-130	-		
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	121		-		70-130	-		
Styrene	99		-		70-130	-		
1,1,2,2-Tetrachloroethane	126		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	99		-		70-130	-		
1,3,5-Trimethylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	103		-		70-130	-		
Benzyl chloride	110		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1218544-3								
Propylene	101		-		70-130	-		
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	86		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethanol	75		-		40-160	-		
Vinyl bromide	106		-		70-130	-		
Acetone	68		-		40-160	-		
Trichlorofluoromethane	101		-		70-130	-		
Isopropanol	71		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	85		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	85		-		70-130	-		
Carbon disulfide	99		-		70-130	-		
Freon-113	112		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1218544-3								
2-Butanone	103		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		
Ethyl Acetate	109		-		70-130	-		
Chloroform	104		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	81		-		70-130	-		
1,1,1-Trichloroethane	86		-		70-130	-		
Benzene	86		-		70-130	-		
Carbon tetrachloride	86		-		70-130	-		
Cyclohexane	80		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	90		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	85		-		70-130	-		
Heptane	76		-		70-130	-		
cis-1,3-Dichloropropene	92		-		70-130	-		
4-Methyl-2-pentanone	81		-		70-130	-		
trans-1,3-Dichloropropene	78		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	108		-		70-130	-		
2-Hexanone	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Lab Number: L1910570

Project Number: 254 SHOLES STREET

Report Date: 03/22/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1218544-3								
Dibromochloromethane	122		-		70-130	-		
1,2-Dibromoethane	117		-		70-130	-		
Tetrachloroethene	122		-		70-130	-		
Chlorobenzene	113		-		70-130	-		
Ethylbenzene	109		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	130		-		70-130	-		
Styrene	112		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	108		-		70-130	-		
4-Ethyltoluene	111		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	116		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	122		-		70-130	-		
1,4-Dichlorobenzene	120		-		70-130	-		
1,2-Dichlorobenzene	121		-		70-130	-		
1,2,4-Trichlorobenzene	146	Q	-		70-130	-		
Hexachlorobutadiene	146	Q	-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1218168-5 QC Sample: L1910570-01 Client ID: IA-1						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.071	0.063	ppbV	12		25
Trichloroethene	0.035	0.035	ppbV	0		25
Tetrachloroethene	0.075	0.078	ppbV	4		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1218169-5 QC Sample: L1910570-01 Client ID: IA-1						
Dichlorodifluoromethane	0.435	0.435	ppbV	0		25
Chloromethane	0.506	0.489	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	522E	520E	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	157	156	ppbV	1		25
Trichlorofluoromethane	0.509	0.499	ppbV	2		25
iso-Propyl Alcohol	15.1	15.0	ppbV	1		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
2-Butanone	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1218169-5 QC Sample: L1910570-01 Client ID: IA-1						
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	0.524	0.532	ppbV	2		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	24.3	24.3	ppbV	0		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylene (Total)	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	22.7	22.3	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570

Report Date: 03/22/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1218169-5 QC Sample: L1910570-01 Client ID: IA-1						
p/m-Xylene	ND	ND	ppbV	NC		25
1,2-Dichloroethene (total)	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1218544-5 QC Sample: L1910570-01 Client ID: IA-1						
Ethanol	377	427	ppbV	12		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Project Name: 254 SHOLES STREET

Project Number: 254 SHOLES STREET

Lab Number: L1910570
Serial_No:03221918:42

Report Date: 03/22/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1910570-01	IA-1	0971	Flow 3	03/18/19	287397		-	-	-	Pass	10.0	8.8	13
L1910570-01	IA-1	958	6.0L Can	03/15/19	287173	L1909825-01	Pass	-29.7	-0.3	-	-	-	-
L1910570-02	IA-2	0410	Flow 4	03/18/19	287397		-	-	-	Pass	10.0	9.5	5
L1910570-02	IA-2	1538	6.0L Can	03/15/19	287173	L1909825-01	Pass	-29.9	-5.8	-	-	-	-
L1910570-03	IA-3	01167	Flow 3	03/18/19	287397		-	-	-	Pass	10.0	9.6	4
L1910570-03	IA-3	1840	6.0L Can	03/15/19	287173	L1909825-01	Pass	-29.8	-4.5	-	-	-	-
L1910570-04	IA-4	0422	Flow 3	03/18/19	287397		-	-	-	Pass	10.0	9.2	8
L1910570-04	IA-4	954	6.0L Can	03/15/19	287173	L1909825-03	Pass	-29.7	-5.4	-	-	-	-
L1910570-05	AA-1	0121	Flow 4	03/18/19	287397		-	-	-	Pass	10.0	9.5	5
L1910570-05	AA-1	1814	6.0L Can	03/15/19	287173	L1909825-01	Pass	-29.7	-5.7	-	-	-	-

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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/14/19 16:47
Analyst: TS

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1909825**Project Number:** CANISTER QC BAT**Report Date:** 03/22/19**Air Canister Certification Results**

Lab ID: L1909825-01

Date Collected: 03/13/19 09:00

Client ID: CAN 2105 SHELF 56

Date Received: 03/13/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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

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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/19 16:47
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-01
Client ID: CAN 2105 SHELF 56
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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
1,1,1,2-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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1909825**Project Number:** CANISTER QC BAT**Report Date:** 03/22/19**Air Canister Certification Results**

Lab ID: L1909825-01

Date Collected: 03/13/19 09:00

Client ID: CAN 2105 SHELF 56

Date Received: 03/13/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/14/19 17:26
Analyst: TS

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1909825**Project Number:** CANISTER QC BAT**Report Date:** 03/22/19**Air Canister Certification Results**

Lab ID: L1909825-03

Date Collected: 03/13/19 09:00

Client ID: CAN 2274 SHELF 58

Date Received: 03/13/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/14/19 17:26
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1909825
Report Date: 03/22/19

Air Canister Certification Results

Lab ID: L1909825-03
Client ID: CAN 2274 SHELF 58
Sample Location:

Date Collected: 03/13/19 09:00
Date Received: 03/13/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1909825**Project Number:** CANISTER QC BAT**Report Date:** 03/22/19**Air Canister Certification Results**

Lab ID: L1909825-03

Date Collected: 03/13/19 09:00

Client ID: CAN 2274 SHELF 58

Date Received: 03/13/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



Project Name: 254 SHOLES STREET**Lab Number:** L1910570**Project Number:** 254 SHOLES STREET**Report Date:** 03/22/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1910570-01A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1910570-02A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1910570-03A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1910570-04A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L1910570-05A	Canister - 2.7 Liter	N/A	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

Project Name: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

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.
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.
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.

Footnotes

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

Report Format: Data Usability Report



Project Name: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

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.

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.

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.

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 Condensation Product".
- 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.
- 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.
- 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: 254 SHOLES STREET
Project Number: 254 SHOLES STREET

Lab Number: L1910570
Report Date: 03/22/19

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



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

Revision 12

Published Date: 10/9/2018 4:58:19 PM

Page 1 of 1

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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 <u>1</u> OF <u>1</u>	Date Rec'd In Lab: <u>3/19/19</u>	ALPHA Job #: <u>L1910570</u>																														
CHAIN OF CUSTODY 320 Forbes Blvd., Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>254 Scholes Street</u> Project Location: <u>254 Scholes Street</u> Project #: <u>254 Scholes Street</u> Project Manager: <u>A. Carroll</u> ALPHA Quote #: Turn-Around Time ☐ Standard ☒ RUSH (only confirmed if pre-approved) Date Due: <u>4 Day TAT</u> Time:		Report Information - Data Deliverables ☐ FAX ☒ ADEX Criteria Checker: (Default based on Regulatory Criteria Indicated) Other Formats: ☒ EMAIL (standard pdf report) ☒ Additional Deliverables: <u>Cat B Deliverables</u> Report to: (if different than Project Manager)	Billing Information ☒ Same as Client info PO #: Regulatory Requirements/Report Limits <table border="1" style="width:100%;"> <thead> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	State/Fed	Program	Res / Comm																										
State/Fed	Program	Res / Comm																																
Client Information Client: <u>Tenen Environmental</u> Address: <u>121 West 27th Street</u> <u>Suite 702 NY, NY 10001</u> Phone: <u>646-606-2332</u> Fax: <u>aplatt@tenen-env.com</u> Email: <u>acarroll@tenen-env.com</u> ☐ These samples have been previously analyzed by Alpha Other Project Specific Requirements/Comments: <u>Cat B Deliverables</u> Project-Specific Target Compound List: ☐ <u>4 day TAT approved by K. Hoogenhyde</u>		ANALYSIS <table border="1" style="width:100%;"> <thead> <tr> <th>TO-15</th> <th>TO-15 SIM</th> <th>APH</th> <th>Fixed Gases</th> <th>Sulfides & Mercaptans by TO-15</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15																									
TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15																														
All Columns Below Must Be Filled Out																																		
ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller					Sample Comments (i.e. PID)																	
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum																												
<u>10570.61</u>	<u>IA-1</u>	<u>3/18/19</u>	<u>9:03</u>	<u>17:03</u>	<u>-30.62</u>	<u>-0.0</u>	<u>AA</u>	<u>AP</u>	<u>6-L</u>	<u>9580971</u>	<u>X</u>																							
<u>.02</u>	<u>IA-2</u>	<u>3/18/19</u>	<u>9:05</u>	<u>17:07</u>	<u>-30.67</u>	<u>-5.72</u>	<u>AA</u>	<u>AP</u>	<u>6-L</u>	<u>15380410</u>	<u>X</u>																							
<u>.03</u>	<u>IA-3</u>	<u>3/18/19</u>	<u>9:07</u>	<u>17:10</u>	<u>-30.30</u>	<u>-4.59</u>	<u>AA</u>	<u>AP</u>	<u>6-L</u>	<u>184001167</u>	<u>X</u>																							
<u>.04</u>	<u>IA-4</u>	<u>3/18/19</u>	<u>9:09</u>	<u>17:13</u>	<u>-30.54</u>	<u>-5.07</u>	<u>AA</u>	<u>AP</u>	<u>6-L</u>	<u>9540422</u>	<u>X</u>																							
<u>.05</u>	<u>AA-1</u>	<u>3/18/19</u>	<u>9:13</u>	<u>17:15</u>	<u>-30.67</u>	<u>-7.01</u>	<u>AA</u>	<u>AP</u>	<u>6-L</u>	<u>18140121</u>	<u>X</u>																							
*SAMPLE MATRIX CODES		AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify										Container Type		Summe		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:																												
<u>A. Platt</u> <u>17:30</u>		<u>3/18/19</u>		<u>George Wagner</u>		<u>3/18/19 17:30</u>																												
<u>George Wagner</u>		<u>3/18/19 19:15</u>		<u>George Wagner</u>		<u>3/19/19 06:50</u>																												

Form No. 101 Rev. (25-Sep-15)

JOB: L1915748 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK



ANALYTICAL REPORT

Lab Number:	L1915748
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	254 SCHOLLES STREET
Project Number:	254 SCHOLLES STREET
Report Date:	04/24/19

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

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

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



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1915748-01	SB-8 (5-10)	SOIL	254 SCHOLLES STREET	04/17/19 09:30	04/17/19
L1915748-02	SB-8 (13-15)	SOIL	254 SCHOLLES STREET	04/17/19 10:10	04/17/19
L1915748-03	SB-1-N (13-15)	SOIL	254 SCHOLLES STREET	04/17/19 13:40	04/17/19

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Case Narrative (continued)

Report Submission

April 24, 2019: 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.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/24/19

ORGANICS

VOLATILES

Project Name: 254 SCHOLLES STREET**Lab Number:** L1915748**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/24/19**SAMPLE RESULTS**

Lab ID: L1915748-01
 Client ID: SB-8 (5-10)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 09:30
 Date Received: 04/17/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/24/19 10:42
 Analyst: JC
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	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	0.31	1
Tetrachloroethene	0.66		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	2.0		ug/kg	1.1	0.62	1
Ethylbenzene	1.1		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 254 SCHOLLES STREET**Lab Number:** L1915748**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/24/19**SAMPLE RESULTS**

Lab ID: L1915748-01
 Client ID: SB-8 (5-10)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 09:30
 Date Received: 04/17/19
 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	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	5.2		ug/kg	2.3	0.64	1
o-Xylene	3.2		ug/kg	1.1	0.33	1
Xylenes, Total	8.4		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	7.3	J	ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	1.7		ug/kg	1.1	0.19	1
sec-Butylbenzene	0.82	J	ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	0.31	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.86	J	ug/kg	1.1	0.12	1
Naphthalene	57		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915748-01
Client ID: SB-8 (5-10)
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 09:30
Date Received: 04/17/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.76	J	ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	3.0		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	13		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	18		ug/kg	2.3	0.20	1
p-Ethyltoluene	5.9		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	16		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	115		70-130

Project Name: 254 SCHOLES STREET**Lab Number:** L1915748**Project Number:** 254 SCHOLES STREET**Report Date:** 04/24/19**SAMPLE RESULTS**

Lab ID: L1915748-03
 Client ID: SB-1-N (13-15)
 Sample Location: 254 SCHOLES STREET

Date Collected: 04/17/19 13:40
 Date Received: 04/17/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 04/24/19 12:50

Analyst: JC

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	0.54		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 254 SCHOLLES STREET**Lab Number:** L1915748**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/24/19**SAMPLE RESULTS**

Lab ID: L1915748-03
 Client ID: SB-1-N (13-15)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 13:40
 Date Received: 04/17/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	6.2	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915748-03
Client ID: SB-1-N (13-15)
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 13:40
Date Received: 04/17/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

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

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:35
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1229683-10					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.8	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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:35
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1229683-10					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:35
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1229683-10					
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	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1229830-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1229830-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1229830-5					
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

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 08:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1229830-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1229683-8 WG1229683-9								
Methylene chloride	93		90		70-130	3		30
1,1-Dichloroethane	97		96		70-130	1		30
Chloroform	108		105		70-130	3		30
Carbon tetrachloride	117		116		70-130	1		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	97		97		70-130	0		30
1,1,2-Trichloroethane	89		86		70-130	3		30
Tetrachloroethene	98		96		70-130	2		30
Chlorobenzene	89		87		70-130	2		30
Trichlorofluoromethane	128		124		70-139	3		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	112		109		70-130	3		30
Bromodichloromethane	104		102		70-130	2		30
trans-1,3-Dichloropropene	94		92		70-130	2		30
cis-1,3-Dichloropropene	98		96		70-130	2		30
1,1-Dichloropropene	100		98		70-130	2		30
Bromoform	95		94		70-130	1		30
1,1,2,2-Tetrachloroethane	80		78		70-130	3		30
Benzene	94		93		70-130	1		30
Toluene	89		87		70-130	2		30
Ethylbenzene	90		89		70-130	1		30
Chloromethane	84		81		52-130	4		30
Bromomethane	184	Q	178	Q	57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1229683-8 WG1229683-9								
Vinyl chloride	101		97		67-130	4		30
Chloroethane	114		113		50-151	1		30
1,1-Dichloroethene	99		96		65-135	3		30
trans-1,2-Dichloroethene	99		96		70-130	3		30
Trichloroethene	99		97		70-130	2		30
1,2-Dichlorobenzene	88		86		70-130	2		30
1,3-Dichlorobenzene	89		87		70-130	2		30
1,4-Dichlorobenzene	88		86		70-130	2		30
Methyl tert butyl ether	105		103		66-130	2		30
p/m-Xylene	89		88		70-130	1		30
o-Xylene	89		88		70-130	1		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	102		100		70-130	2		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	104		102		30-146	2		30
Acetone	106		105		54-140	1		30
Carbon disulfide	98		94		59-130	4		30
2-Butanone	92		90		70-130	2		30
Vinyl acetate	93		89		70-130	4		30
4-Methyl-2-pentanone	82		82		70-130	0		30
1,2,3-Trichloropropane	86		86		68-130	0		30
2-Hexanone	78		75		70-130	4		30
Bromochloromethane	106		105		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1229683-8 WG1229683-9								
2,2-Dichloropropane	114		111		70-130	3		30
1,2-Dibromoethane	92		90		70-130	2		30
1,3-Dichloropropane	88		87		69-130	1		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	89		87		70-130	2		30
n-Butylbenzene	84		82		70-130	2		30
sec-Butylbenzene	84		83		70-130	1		30
tert-Butylbenzene	86		85		70-130	1		30
o-Chlorotoluene	97		96		70-130	1		30
p-Chlorotoluene	85		84		70-130	1		30
1,2-Dibromo-3-chloropropane	92		90		68-130	2		30
Hexachlorobutadiene	97		97		67-130	0		30
Isopropylbenzene	86		83		70-130	4		30
p-Isopropyltoluene	85		84		70-130	1		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	95		92		70-130	3		30
n-Propylbenzene	85		82		70-130	4		30
1,2,3-Trichlorobenzene	92		90		70-130	2		30
1,2,4-Trichlorobenzene	91		88		70-130	3		30
1,3,5-Trimethylbenzene	86		85		70-130	1		30
1,2,4-Trimethylbenzene	86		84		70-130	2		30
1,4-Dioxane	119		116		65-136	3		30
p-Diethylbenzene	86		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1229683-8 WG1229683-9								
p-Ethyltoluene	86		84		70-130	2		30
1,2,4,5-Tetramethylbenzene	84		82		70-130	2		30
Ethyl ether	102		99		67-130	3		30
trans-1,4-Dichloro-2-butene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		114		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	111		111		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

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: WG1229830-3 WG1229830-4								
Methylene chloride	100		99		70-130	1		30
1,1-Dichloroethane	113		110		70-130	3		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	109		106		70-130	3		30
Dibromochloromethane	94		93		70-130	1		30
1,1,2-Trichloroethane	103		101		70-130	2		30
Tetrachloroethene	97		94		70-130	3		30
Chlorobenzene	95		93		70-130	2		30
Trichlorofluoromethane	85		82		70-139	4		30
1,2-Dichloroethane	112		110		70-130	2		30
1,1,1-Trichloroethane	100		96		70-130	4		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	106		103		70-130	3		30
cis-1,3-Dichloropropene	104		101		70-130	3		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	88		88		70-130	0		30
1,1,1,2-Tetrachloroethane	99		96		70-130	3		30
Benzene	102		100		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	98		96		70-130	2		30
Chloromethane	138	Q	135	Q	52-130	2		30
Bromomethane	82		80		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

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: WG1229830-3 WG1229830-4								
Vinyl chloride	113		109		67-130	4		30
Chloroethane	98		94		50-151	4		30
1,1-Dichloroethene	101		99		65-135	2		30
trans-1,2-Dichloroethene	99		97		70-130	2		30
Trichloroethene	98		99		70-130	1		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	95		95		70-130	0		30
Methyl tert butyl ether	99		98		66-130	1		30
p/m-Xylene	97		96		70-130	1		30
o-Xylene	95		93		70-130	2		30
cis-1,2-Dichloroethene	97		96		70-130	1		30
Dibromomethane	100		97		70-130	3		30
Styrene	95		95		70-130	0		30
Dichlorodifluoromethane	114		110		30-146	4		30
Acetone	130		125		54-140	4		30
Carbon disulfide	101		98		59-130	3		30
2-Butanone	126		111		70-130	13		30
Vinyl acetate	121		115		70-130	5		30
4-Methyl-2-pentanone	106		100		70-130	6		30
1,2,3-Trichloropropane	100		97		68-130	3		30
2-Hexanone	106		101		70-130	5		30
Bromochloromethane	100		97		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLES STREET

Report Date: 04/24/19

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: WG1229830-3 WG1229830-4								
2,2-Dichloropropane	103		100		70-130	3		30
1,2-Dibromoethane	99		96		70-130	3		30
1,3-Dichloropropane	103		101		69-130	2		30
1,1,1,2-Tetrachloroethane	94		93		70-130	1		30
Bromobenzene	93		91		70-130	2		30
n-Butylbenzene	102		99		70-130	3		30
sec-Butylbenzene	96		95		70-130	1		30
tert-Butylbenzene	94		92		70-130	2		30
o-Chlorotoluene	99		99		70-130	0		30
p-Chlorotoluene	100		98		70-130	2		30
1,2-Dibromo-3-chloropropane	87		83		68-130	5		30
Hexachlorobutadiene	91		90		67-130	1		30
Isopropylbenzene	95		94		70-130	1		30
p-Isopropyltoluene	96		94		70-130	2		30
Naphthalene	86		84		70-130	2		30
Acrylonitrile	117		111		70-130	5		30
n-Propylbenzene	100		98		70-130	2		30
1,2,3-Trichlorobenzene	92		90		70-130	2		30
1,2,4-Trichlorobenzene	90		89		70-130	1		30
1,3,5-Trimethylbenzene	98		96		70-130	2		30
1,2,4-Trimethylbenzene	98		96		70-130	2		30
1,4-Dioxane	95		92		65-136	3		30
p-Diethylbenzene	98		95		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLLES STREET

Lab Number: L1915748

Project Number: 254 SCHOLLES STREET

Report Date: 04/24/19

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: WG1229830-3 WG1229830-4								
p-Ethyltoluene	99		97		70-130	2		30
1,2,4,5-Tetramethylbenzene	92		90		70-130	2		30
Ethyl ether	106		103		67-130	3		30
trans-1,4-Dichloro-2-butene	113		115		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		111		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	105		102		70-130
Dibromofluoromethane	100		99		70-130

INORGANICS & MISCELLANEOUS

Project Name: 254 SCHOLLES STREET

Project Number: 254 SCHOLLES STREET

Lab Number: L1915748

Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915748-01

Client ID: SB-8 (5-10)

Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 09:30

Date Received: 04/17/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	04/18/19 15:04	121,2540G	RI



Project Name: 254 SCHOLLES STREET**Project Number:** 254 SCHOLLES STREET**Lab Number:** L1915748**Report Date:** 04/24/19**SAMPLE RESULTS****Lab ID:** L1915748-03**Client ID:** SB-1-N (13-15)**Sample Location:** 254 SCHOLLES STREET**Date Collected:** 04/17/19 13:40**Date Received:** 04/17/19**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	93.2		%	0.100	NA	1	-	04/18/19 15:04	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 254 SCHOLLES STREET**Project Number:** 254 SCHOLLES STREET**Lab Number:** L1915748**Report Date:** 04/24/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03 QC Batch ID: WG1227841-1 QC Sample: L1915697-07 Client ID: DUP Sample						
Solids, Total	82.9	83.1	%	0		20

Project Name: 254 SCHOLLES STREET**Lab Number:** L1915748**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/24/19**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(*)
L1915748-01A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-01B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-01C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-01D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1915748-01X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-01Y	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	NYTCL-8260HLW(14)
L1915748-01Z	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	NYTCL-8260HLW(14)
L1915748-02A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		HOLD-8260HLW(14)
L1915748-02B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		HOLD-8260HLW(14)
L1915748-02C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		HOLD-8260HLW(14)
L1915748-02D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L1915748-02X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		HOLD-8260HLW(14)
L1915748-02Y	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	HOLD-8260HLW(14)
L1915748-02Z	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	HOLD-8260HLW(14)
L1915748-03A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-03B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-03C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-03D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1915748-03X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1915748-03Y	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	NYTCL-8260HLW(14)
L1915748-03Z	Vial Water preserved split	A	NA		2.7	Y	Absent	18-APR-19 11:48	NYTCL-8260HLW(14)

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

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.
LCS D	- 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.
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.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

- 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.

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.

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.

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 Condensation Product".
- 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.
- 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 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1915748
Report Date: 04/24/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 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 its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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.

L1915748



ANALYTICAL REPORT

Lab Number:	L1916186
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	254 SCHOLLES STREET
Project Number:	254 SCHOLLES STREET
Report Date:	04/26/19

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

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

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



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1916186-01	SB-7 (33-35)	SOIL	254 SCHOLLES STREET	04/18/19 09:30	04/19/19
L1916186-02	SB-10 (3-5)	SOIL	254 SCHOLLES STREET	04/18/19 12:00	04/19/19
L1916186-03	MW-5	WATER	254 SCHOLLES STREET	04/18/19 12:10	04/19/19
L1916186-04	MW-4	WATER	254 SCHOLLES STREET	04/18/19 13:30	04/19/19
L1916186-05	MW-6	WATER	254 SCHOLLES STREET	04/18/19 14:20	04/19/19
L1916186-06	TRIP BLANK	WATER	254 SCHOLLES STREET	04/17/19 00:00	04/19/19

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Case Narrative (continued)

Report Submission

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

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/26/19

ORGANICS

VOLATILES

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-01
 Client ID: SB-7 (33-35)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 09:30
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/25/19 01:40
 Analyst: NLK
 Percent Solids: 96%

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	0.28	J	ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	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	0.31	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	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	0.65	J	ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-01
 Client ID: SB-7 (33-35)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 09:30
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	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	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	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	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	17		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	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	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	0.22	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	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	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-01
Client ID: SB-7 (33-35)
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 09:30
Date Received: 04/19/19
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	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
1,4-Dioxane	ND		ug/kg	90	40.	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	0.22	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	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-02
 Client ID: SB-10 (3-5)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:00
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/26/19 04:32
 Analyst: JC
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.8	1
Chloroform	ND		ug/kg	81	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	11.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	9.0	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.6	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.6	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	29.	1
Ethylbenzene	48	J	ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-02
 Client ID: SB-10 (3-5)
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:00
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.2	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.5	1
1,2-Dichloroethene, Total	ND		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	11.	1
Dichlorodifluoromethane	ND		ug/kg	540	50.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	250	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.1	1
Bromobenzene	ND		ug/kg	110	7.8	1
n-Butylbenzene	910		ug/kg	54	9.0	1
sec-Butylbenzene	940		ug/kg	54	7.9	1
tert-Butylbenzene	62	J	ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.1	1
Isopropylbenzene	190		ug/kg	54	5.9	1
p-Isopropyltoluene	740		ug/kg	54	5.9	1
Naphthalene	3400		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-02
Client ID: SB-10 (3-5)
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:00
Date Received: 04/19/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	290		ug/kg	54	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	790		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	1600		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	4400		ug/kg	110	9.6	1
p-Ethyltoluene	350		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	2400		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	107		70-130

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-03
 Client ID: MW-5
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:10
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/26/19 09:53
 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	5.6		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	2.4		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: 254 SCHOLLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLLES STREET

Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-03
 Client ID: MW-5
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:10
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.2		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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-03
Client ID: MW-5
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:10
Date Received: 04/19/19
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	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-04
Client ID: MW-4
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 13:30
Date Received: 04/19/19
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/25/19 17:51
Analyst: PK

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	1.3	J	ug/l	2.5	0.70	1
Chloroform	3.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	0.66	J	ug/l	1.5	0.50	1
Tetrachloroethene	7.6		ug/l	0.50	0.18	1
Chlorobenzene	3.9		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	2.7		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	0.76		ug/l	0.50	0.16	1
Toluene	1.2	J	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	5.0		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: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS****Lab ID:** L1916186-04**Date Collected:** 04/18/19 13:30**Client ID:** MW-4**Date Received:** 04/19/19**Sample Location:** 254 SCHOLLES STREET**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	2.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	32		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	1.9	J	ug/l	2.5	0.70	1
1,4-Dichlorobenzene	13		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	0.74	J	ug/l	2.5	0.70	1
Xylenes, Total	0.74	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	15		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	5.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	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: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS****Lab ID:** L1916186-04**Date Collected:** 04/18/19 13:30**Client ID:** MW-4**Date Received:** 04/19/19**Sample Location:** 254 SCHOLLES STREET**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	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-05 D
 Client ID: MW-6
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 14:20
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/25/19 17:26
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	45		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	16		ug/l	15	5.0	10
Tetrachloroethene	2.7	J	ug/l	5.0	1.8	10
Chlorobenzene	240		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	100		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	14		ug/l	5.0	1.6	10
Toluene	9.2	J	ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	130		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	8.3	J	ug/l	25	7.0	10

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-05 D
 Client ID: MW-6
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 14:20
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	6.7		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	1900		ug/l	25	7.0	10
1,3-Dichlorobenzene	120		ug/l	25	7.0	10
1,4-Dichlorobenzene	770		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	8.1	J	ug/l	25	7.0	10
Xylenes, Total	8.1	J	ug/l	25	7.0	10
cis-1,2-Dichloroethene	290		ug/l	25	7.0	10
1,2-Dichloroethene, Total	300	J	ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	ND		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-05 D
 Client ID: MW-6
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 14:20
 Date Received: 04/19/19
 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	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	8.8	J	ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	ND		ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	97		70-130

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-06
 Client ID: TRIP BLANK
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 00:00
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/25/19 16:53
 Analyst: PK

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: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916186-06
 Client ID: TRIP BLANK
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 00:00
 Date Received: 04/19/19
 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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-06
Client ID: TRIP BLANK
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/17/19 00:00
Date Received: 04/19/19
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 20:03
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1230183-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 20:03
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1230183-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/24/19 20:03
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1230183-5					
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	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
 Analytical Date: 04/25/19 10:58
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1230306-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/25/19 10:58
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1230306-5					
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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/25/19 10:58
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-06 Batch: WG1230306-5					
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	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/25/19 21:09
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1230705-5					
Methylene chloride	120	J	ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 254 SCHOLLES STREET
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/25/19 21:09
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1230705-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

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Analytical Method: 1,8260C
 Analytical Date: 04/25/19 21:09
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1230705-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

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Report Date: 04/26/19

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Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/26/19 08:36
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1230734-5					
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

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 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1230734-5					
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

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Analytical Method: 1,8260C
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 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1230734-5					
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	69	J	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	94		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1230183-3 WG1230183-4								
Methylene chloride	108		108		70-130	0		30
1,1-Dichloroethane	122		122		70-130	0		30
Chloroform	108		108		70-130	0		30
Carbon tetrachloride	103		104		70-130	1		30
1,2-Dichloropropane	114		116		70-130	2		30
Dibromochloromethane	98		101		70-130	3		30
1,1,2-Trichloroethane	105		107		70-130	2		30
Tetrachloroethene	104		104		70-130	0		30
Chlorobenzene	101		101		70-130	0		30
Trichlorofluoromethane	93		92		70-139	1		30
1,2-Dichloroethane	116		117		70-130	1		30
1,1,1-Trichloroethane	108		107		70-130	1		30
Bromodichloromethane	105		107		70-130	2		30
trans-1,3-Dichloropropene	108		110		70-130	2		30
cis-1,3-Dichloropropene	106		107		70-130	1		30
1,1-Dichloropropene	112		114		70-130	2		30
Bromoform	90		92		70-130	2		30
1,1,2,2-Tetrachloroethane	102		103		70-130	1		30
Benzene	111		110		70-130	1		30
Toluene	107		107		70-130	0		30
Ethylbenzene	105		106		70-130	1		30
Chloromethane	149	Q	148	Q	52-130	1		30
Bromomethane	77		80		57-147	4		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1230183-3 WG1230183-4								
Vinyl chloride	124		122		67-130	2		30
Chloroethane	107		103		50-151	4		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	108		110		70-130	2		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	102		105		66-130	3		30
p/m-Xylene	105		106		70-130	1		30
o-Xylene	102		102		70-130	0		30
cis-1,2-Dichloroethene	105		104		70-130	1		30
Dibromomethane	104		102		70-130	2		30
Styrene	101		101		70-130	0		30
Dichlorodifluoromethane	125		123		30-146	2		30
Acetone	135		140		54-140	4		30
Carbon disulfide	112		112		59-130	0		30
2-Butanone	127		134	Q	70-130	5		30
Vinyl acetate	120		125		70-130	4		30
4-Methyl-2-pentanone	109		115		70-130	5		30
1,2,3-Trichloropropane	103		103		68-130	0		30
2-Hexanone	107		112		70-130	5		30
Bromochloromethane	105		106		70-130	1		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1230183-3 WG1230183-4								
2,2-Dichloropropane	111		110		70-130	1		30
1,2-Dibromoethane	101		103		70-130	2		30
1,3-Dichloropropane	105		108		69-130	3		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	106		105		70-130	1		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	106		106		70-130	0		30
p-Chlorotoluene	107		106		70-130	1		30
1,2-Dibromo-3-chloropropane	89		93		68-130	4		30
Hexachlorobutadiene	97		97		67-130	0		30
Isopropylbenzene	103		103		70-130	0		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	88		90		70-130	2		30
Acrylonitrile	120		119		70-130	1		30
n-Propylbenzene	108		107		70-130	1		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	96		95		70-130	1		30
1,3,5-Trimethylbenzene	106		105		70-130	1		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
1,4-Dioxane	105		114		65-136	8		30
p-Diethylbenzene	105		105		70-130	0		30

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1230183-3 WG1230183-4								
p-Ethyltoluene	108		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		30
Ethyl ether	108		112		67-130	4		30
trans-1,4-Dichloro-2-butene	128		117		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		112		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1230306-3 WG1230306-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	97		99		70-130	2		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	94		94		63-132	0		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	95		97		63-130	2		20
1,1,2-Trichloroethane	95		98		70-130	3		20
Tetrachloroethene	95		96		70-130	1		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	85		85		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	95		94		67-130	1		20
Bromodichloromethane	98		98		67-130	0		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	94		98		70-130	4		20
Bromoform	90		95		54-136	5		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	97		100		70-130	3		20
Ethylbenzene	94		98		70-130	4		20
Chloromethane	72		74		64-130	3		20
Bromomethane	37	Q	33	Q	39-139	11		20

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1230306-3 WG1230306-4								
Vinyl chloride	94		94		55-140	0		20
Chloroethane	93		100		55-138	7		20
1,1-Dichloroethene	89		89		61-145	0		20
trans-1,2-Dichloroethene	95		95		70-130	0		20
Trichloroethene	95		93		70-130	2		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	91		100		64-130	9		20
Acrylonitrile	93		100		70-130	7		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	86		83		36-147	4		20
Acetone	87		110		58-148	23	Q	20
Carbon disulfide	86		86		51-130	0		20
2-Butanone	86		110		63-138	24	Q	20
Vinyl acetate	95		97		70-130	2		20
4-Methyl-2-pentanone	91		97		59-130	6		20
2-Hexanone	91		92		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Project Number: 254 SCHOLES STREET

Lab Number: L1916186

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1230306-3 WG1230306-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	98		98		63-133	0		20
1,2-Dibromoethane	99		100		70-130	1		20
1,3-Dichloropropane	99		100		70-130	1		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	99		110		70-130	11		20
n-Butylbenzene	97		99		53-136	2		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	86		99		41-144	14		20
Hexachlorobutadiene	87		92		63-130	6		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	96		100		70-130	4		20
Naphthalene	97		100		70-130	3		20
n-Propylbenzene	96		100		69-130	4		20
1,2,3-Trichlorobenzene	94		100		70-130	6		20
1,2,4-Trichlorobenzene	96		100		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	96		172	Q	56-162	57	Q	20
p-Diethylbenzene	92		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-06 Batch: WG1230306-3 WG1230306-4								
p-Ethyltoluene	98		100		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		98		70-130	6		20
Ethyl ether	98		100		59-134	2		20
trans-1,4-Dichloro-2-butene	82		86		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		94		70-130
Toluene-d8	99		104		70-130
4-Bromofluorobenzene	102		106		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1230705-3 WG1230705-4								
Methylene chloride	83		81		70-130	2		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	103		102		70-130	1		30
Carbon tetrachloride	112		111		70-130	1		30
1,2-Dichloropropane	87		85		70-130	2		30
Dibromochloromethane	102		100		70-130	2		30
1,1,2-Trichloroethane	91		90		70-130	1		30
Tetrachloroethene	101		101		70-130	0		30
Chlorobenzene	96		94		70-130	2		30
Trichlorofluoromethane	124		126		70-139	2		30
1,2-Dichloroethane	98		97		70-130	1		30
1,1,1-Trichloroethane	110		109		70-130	1		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	98		96		70-130	2		30
cis-1,3-Dichloropropene	100		98		70-130	2		30
1,1-Dichloropropene	100		98		70-130	2		30
Bromoform	104		104		70-130	0		30
1,1,2,2-Tetrachloroethane	84		84		70-130	0		30
Benzene	94		91		70-130	3		30
Toluene	94		93		70-130	1		30
Ethylbenzene	99		98		70-130	1		30
Chloromethane	81		69		52-130	16		30
Bromomethane	116		118		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1230705-3 WG1230705-4								
Vinyl chloride	94		95		67-130	1		30
Chloroethane	117		118		50-151	1		30
1,1-Dichloroethene	97		92		65-135	5		30
trans-1,2-Dichloroethene	96		94		70-130	2		30
Trichloroethene	100		99		70-130	1		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	97		95		70-130	2		30
1,4-Dichlorobenzene	94		92		70-130	2		30
Methyl tert butyl ether	100		99		66-130	1		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	102		101		70-130	1		30
cis-1,2-Dichloroethene	99		97		70-130	2		30
Dibromomethane	99		96		70-130	3		30
Styrene	105		103		70-130	2		30
Dichlorodifluoromethane	70		69		30-146	1		30
Acetone	87		85		54-140	2		30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	83		79		70-130	5		30
Vinyl acetate	75		72		70-130	4		30
4-Methyl-2-pentanone	76		75		70-130	1		30
1,2,3-Trichloropropane	90		89		68-130	1		30
2-Hexanone	72		72		70-130	0		30
Bromochloromethane	103		101		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1230705-3 WG1230705-4								
2,2-Dichloropropane	107		106		70-130	1		30
1,2-Dibromoethane	99		97		70-130	2		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	102		101		70-130	1		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	96		94		70-130	2		30
sec-Butylbenzene	100		100		70-130	0		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	97		95		70-130	2		30
p-Chlorotoluene	97		95		70-130	2		30
1,2-Dibromo-3-chloropropane	97		94		68-130	3		30
Hexachlorobutadiene	108		106		67-130	2		30
Isopropylbenzene	100		100		70-130	0		30
p-Isopropyltoluene	102		102		70-130	0		30
Naphthalene	96		95		70-130	1		30
Acrylonitrile	84		84		70-130	0		30
n-Propylbenzene	96		94		70-130	2		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	96		93		70-130	3		30
1,3,5-Trimethylbenzene	103		101		70-130	2		30
1,2,4-Trimethylbenzene	102		101		70-130	1		30
1,4-Dioxane	116		115		65-136	1		30
p-Diethylbenzene	100		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1230705-3 WG1230705-4								
p-Ethyltoluene	100		98		70-130	2		30
1,2,4,5-Tetramethylbenzene	103		102		70-130	1		30
Ethyl ether	109		110		67-130	1		30
trans-1,4-Dichloro-2-butene	85		80		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	102		103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1230734-3 WG1230734-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	94		92		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	94		88		63-130	7		20
1,1,2-Trichloroethane	97		93		70-130	4		20
Tetrachloroethene	93		87		70-130	7		20
Chlorobenzene	94		94		75-130	0		20
Trichlorofluoromethane	82		85		62-150	4		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	94		94		67-130	0		20
Bromodichloromethane	96		96		67-130	0		20
trans-1,3-Dichloropropene	98		94		70-130	4		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	93		93		70-130	0		20
Bromoform	88		89		54-136	1		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	98		99		70-130	1		20
Toluene	97		90		70-130	7		20
Ethylbenzene	94		92		70-130	2		20
Chloromethane	69		72		64-130	4		20
Bromomethane	41		40		39-139	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1230734-3 WG1230734-4								
Vinyl chloride	91		91		55-140	0		20
Chloroethane	89		94		55-138	5		20
1,1-Dichloroethene	85		88		61-145	3		20
trans-1,2-Dichloroethene	92		96		70-130	4		20
Trichloroethene	92		90		70-130	2		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	95		96		70-130	1		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	97		96		70-130	1		20
Dibromomethane	99		99		70-130	0		20
1,2,3-Trichloropropane	91		91		64-130	0		20
Acrylonitrile	94		99		70-130	5		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	85		86		36-147	1		20
Acetone	92		96		58-148	4		20
Carbon disulfide	84		86		51-130	2		20
2-Butanone	98		96		63-138	2		20
Vinyl acetate	96		98		70-130	2		20
4-Methyl-2-pentanone	100		90		59-130	11		20
2-Hexanone	99		96		57-130	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1230734-3 WG1230734-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	98		95		70-130	3		20
1,3-Dichloropropane	97		94		70-130	3		20
1,1,1,2-Tetrachloroethane	96		92		64-130	4		20
Bromobenzene	96		95		70-130	1		20
n-Butylbenzene	95		97		53-136	2		20
sec-Butylbenzene	96		97		70-130	1		20
tert-Butylbenzene	94		97		70-130	3		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	98		97		70-130	1		20
1,2-Dibromo-3-chloropropane	88		96		41-144	9		20
Hexachlorobutadiene	86		85		63-130	1		20
Isopropylbenzene	96		98		70-130	2		20
p-Isopropyltoluene	95		95		70-130	0		20
Naphthalene	97		100		70-130	3		20
n-Propylbenzene	93		94		69-130	1		20
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	93		96		70-130	3		20
1,3,5-Trimethylbenzene	97		97		64-130	0		20
1,2,4-Trimethylbenzene	97		98		70-130	1		20
1,4-Dioxane	96		124		56-162	25	Q	20
p-Diethylbenzene	90		91		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916186

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1230734-3 WG1230734-4								
p-Ethyltoluene	96		97		70-130	1		20
1,2,4,5-Tetramethylbenzene	90		90		70-130	0		20
Ethyl ether	94		98		59-134	4		20
trans-1,4-Dichloro-2-butene	75		72		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	103		97		70-130
4-Bromofluorobenzene	103		107		70-130
Dibromofluoromethane	96		96		70-130

INORGANICS & MISCELLANEOUS

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-01
Client ID: SB-7 (33-35)
Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 09:30
Date Received: 04/19/19
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	96.0		%	0.100	NA	1	-	04/20/19 13:48	121,2540G	RI



Project Name: 254 SCHOLLES STREET

Project Number: 254 SCHOLLES STREET

Lab Number: L1916186

Report Date: 04/26/19

SAMPLE RESULTS

Lab ID: L1916186-02

Client ID: SB-10 (3-5)

Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:00

Date Received: 04/19/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	04/20/19 13:48	121,2540G	RI



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1916186
Report Date: 04/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1228546-1 QC Sample: L1916186-01 Client ID: SB-7 (33-35)						
Solids, Total	96.0	96.0	%	0		20

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916186**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**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(*)
L1916186-01A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-01B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-01C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-01D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1916186-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	20-APR-19 03:47	NYTCL-8260HLW(14)
L1916186-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	20-APR-19 03:47	NYTCL-8260HLW(14)
L1916186-02A	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-02B	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-02C	5 gram Encore Sampler	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-02D	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L1916186-02X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L1916186-02Y	Vial Water preserved split	A	NA		3.2	Y	Absent	20-APR-19 03:47	NYTCL-8260HLW(14)
L1916186-02Z	Vial Water preserved split	A	NA		3.2	Y	Absent	20-APR-19 03:47	NYTCL-8260HLW(14)
L1916186-03A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-03B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-03C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-04A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-04B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-04C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-05A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-05B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-05C	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Serial_No:04261913:25
Lab Number: L1916186
Report Date: 04/26/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1916186-06A	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)
L1916186-06B	Vial HCl preserved	A	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: 254 SCHOLES STREET
Project Number: 254 SCHOLES STREET

Lab Number: L1916186
Report Date: 04/26/19

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.
LCS D	- 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.
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.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

- 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.

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.

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.

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 Condensation Product".
- 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.
- 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 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916186
Report Date: 04/26/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 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 its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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.

[illegible]



ANALYTICAL REPORT

Lab Number:	L1916403
Client:	Tenen Environmental, LLC 121 West 27th Street Suite 702 New York City, NY 10001
ATTN:	Matthew Carroll
Phone:	(646) 606-2332
Project Name:	254 SCHOLLES STREET
Project Number:	254 SCHOLLES STREET
Report Date:	04/26/19

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

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

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



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1916403-01	SS-4	SOIL_VAPOR	254 SCHOLLES STREET	04/18/19 12:22	04/19/19

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

Case Narrative (continued)

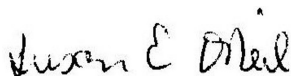
Volatile Organics in Air

Canisters were released from the laboratory on April 17, 2019. The canister certification results are provided as an addendum.

L1916403-01 and WG1230340-5: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 04/26/19

AIR

Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916403-01 D
 Client ID: SS-4
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:22
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 04/25/19 22:13
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	3.12	0.286	--	15.4	1.41	--		1.429
Chloromethane	ND	0.286	--	ND	0.591	--		1.429
Freon-114	ND	0.286	--	ND	2.00	--		1.429
Vinyl chloride	ND	0.286	--	ND	0.731	--		1.429
1,3-Butadiene	ND	0.286	--	ND	0.633	--		1.429
Bromomethane	ND	0.286	--	ND	1.11	--		1.429
Chloroethane	0.294	0.286	--	0.776	0.755	--		1.429
Ethanol	81.9	7.14	--	154	13.5	--		1.429
Vinyl bromide	ND	0.286	--	ND	1.25	--		1.429
Acetone	458	1.43	--	1090	3.40	--		1.429
Trichlorofluoromethane	2.64	0.286	--	14.8	1.61	--		1.429
Isopropanol	7.06	0.714	--	17.4	1.76	--		1.429
1,1-Dichloroethene	1.07	0.286	--	4.24	1.13	--		1.429
Tertiary butyl Alcohol	ND	0.714	--	ND	2.16	--		1.429
Methylene chloride	ND	0.714	--	ND	2.48	--		1.429
3-Chloropropene	ND	0.286	--	ND	0.895	--		1.429
Carbon disulfide	6.67	0.286	--	20.8	0.891	--		1.429
Freon-113	ND	0.286	--	ND	2.19	--		1.429
trans-1,2-Dichloroethene	1.19	0.286	--	4.72	1.13	--		1.429
1,1-Dichloroethane	7.22	0.286	--	29.2	1.16	--		1.429
Methyl tert butyl ether	0.463	0.286	--	1.67	1.03	--		1.429
2-Butanone	1.68	0.714	--	4.95	2.11	--		1.429
cis-1,2-Dichloroethene	126	0.286	--	500	1.13	--		1.429



Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916403-01 D
 Client ID: SS-4
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:22
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.714	--	ND	2.57	--		1.429
Chloroform	13.9	0.286	--	67.9	1.40	--		1.429
Tetrahydrofuran	ND	0.714	--	ND	2.11	--		1.429
1,2-Dichloroethane	2.03	0.286	--	8.22	1.16	--		1.429
n-Hexane	0.290	0.286	--	1.02	1.01	--		1.429
1,1,1-Trichloroethane	7.32	0.286	--	39.9	1.56	--		1.429
Benzene	0.448	0.286	--	1.43	0.914	--		1.429
Carbon tetrachloride	3.42	0.286	--	21.5	1.80	--		1.429
Cyclohexane	0.915	0.286	--	3.15	0.984	--		1.429
1,2-Dichloropropane	ND	0.286	--	ND	1.32	--		1.429
Bromodichloromethane	ND	0.286	--	ND	1.92	--		1.429
1,4-Dioxane	ND	0.286	--	ND	1.03	--		1.429
Trichloroethene	95.4	0.286	--	513	1.54	--		1.429
2,2,4-Trimethylpentane	ND	0.286	--	ND	1.34	--		1.429
Heptane	ND	0.286	--	ND	1.17	--		1.429
cis-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
4-Methyl-2-pentanone	ND	0.714	--	ND	2.93	--		1.429
trans-1,3-Dichloropropene	ND	0.286	--	ND	1.30	--		1.429
1,1,2-Trichloroethane	ND	0.286	--	ND	1.56	--		1.429
Toluene	1.85	0.286	--	6.97	1.08	--		1.429
2-Hexanone	ND	0.286	--	ND	1.17	--		1.429
Dibromochloromethane	ND	0.286	--	ND	2.44	--		1.429
1,2-Dibromoethane	ND	0.286	--	ND	2.20	--		1.429
Tetrachloroethene	17.5	0.286	--	119	1.94	--		1.429
Chlorobenzene	ND	0.286	--	ND	1.32	--		1.429
Ethylbenzene	ND	0.286	--	ND	1.24	--		1.429



Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19**SAMPLE RESULTS**

Lab ID: L1916403-01 D
 Client ID: SS-4
 Sample Location: 254 SCHOLLES STREET

Date Collected: 04/18/19 12:22
 Date Received: 04/19/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.571	--	ND	2.48	--		1.429
Bromoform	ND	0.286	--	ND	2.96	--		1.429
Styrene	ND	0.286	--	ND	1.22	--		1.429
1,1,2,2-Tetrachloroethane	ND	0.286	--	ND	1.96	--		1.429
o-Xylene	ND	0.286	--	ND	1.24	--		1.429
4-Ethyltoluene	ND	0.286	--	ND	1.41	--		1.429
1,3,5-Trimethylbenzene	ND	0.286	--	ND	1.41	--		1.429
1,2,4-Trimethylbenzene	ND	0.286	--	ND	1.41	--		1.429
Benzyl chloride	ND	0.286	--	ND	1.48	--		1.429
1,3-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,4-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2-Dichlorobenzene	ND	0.286	--	ND	1.72	--		1.429
1,2,4-Trichlorobenzene	ND	0.286	--	ND	2.12	--		1.429
Hexachlorobutadiene	ND	0.286	--	ND	3.05	--		1.429

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/25/19 15:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1230340-4								
Propylene	ND	0.500	--	ND	0.861	--		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
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/25/19 15:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1230340-4								
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	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



Project Name: 254 SCHOLLES STREET**Lab Number:** L1916403**Project Number:** 254 SCHOLLES STREET**Report Date:** 04/26/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 04/25/19 15:04

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1230340-4								
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
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: 254 SCHOLES STREET

Lab Number: L1916403

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1230340-3								
Propylene	105		-		70-130	-		
Dichlorodifluoromethane	80		-		70-130	-		
Chloromethane	110		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	119		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	114		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	88		-		40-160	-		
Trichlorofluoromethane	103		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	105		-		70-130	-		
Tertiary butyl Alcohol	97		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	94		-		70-130	-		
Freon-113	100		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	105		-		70-130	-		
Vinyl acetate	111		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET

Lab Number: L1916403

Project Number: 254 SCHOLES STREET

Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1230340-3								
2-Butanone	110		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Ethyl Acetate	111		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	105		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	121		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
Benzene	113		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	121		-		70-130	-		
1,2-Dichloropropane	119		-		70-130	-		
Bromodichloromethane	113		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	109		-		70-130	-		
2,2,4-Trimethylpentane	122		-		70-130	-		
Heptane	119		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	127		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	114		-		70-130	-		
Toluene	102		-		70-130	-		
2-Hexanone	119		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 254 SCHOLES STREET
Project Number: 254 SCHOLES STREET

Lab Number: L1916403
Report Date: 04/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1230340-3								
Dibromochloromethane	97		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	105		-		70-130	-		
Bromoform	92		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	107		-		70-130	-		
4-Ethyltoluene	103		-		70-130	-		
1,3,5-Trimethylbenzene	104		-		70-130	-		
1,2,4-Trimethylbenzene	110		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	109		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1916403
Report Date: 04/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1230340-5 QC Sample: L1916403-01 Client ID: SS-4						
Dichlorodifluoromethane	3.12	2.94	ppbV	6		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	0.294	0.314	ppbV	7		25
Ethanol	81.9	82.2	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	458	464	ppbV	1		25
Trichlorofluoromethane	2.64	2.59	ppbV	2		25
Isopropanol	7.06	7.23	ppbV	2		25
1,1-Dichloroethene	1.07	1.04	ppbV	3		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	6.67	6.60	ppbV	1		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	1.19	1.18	ppbV	1		25
1,1-Dichloroethane	7.22	6.84	ppbV	5		25
Methyl tert butyl ether	0.463	0.467	ppbV	1		25

Project Name: 254 SCHOLES STREET
Project Number: 254 SCHOLES STREET

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1916403
Report Date: 04/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1230340-5 QC Sample: L1916403-01 Client ID: SS-4						
2-Butanone	1.68	1.76	ppbV	5		25
cis-1,2-Dichloroethene	126	125	ppbV	1		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	13.9	13.9	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	2.03	2.14	ppbV	5		25
n-Hexane	0.290	ND	ppbV	NC		25
1,1,1-Trichloroethane	7.32	7.42	ppbV	1		25
Benzene	0.448	0.468	ppbV	4		25
Carbon tetrachloride	3.42	3.41	ppbV	0		25
Cyclohexane	0.915	0.947	ppbV	3		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	95.4	95.2	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1230340-5 QC Sample: L1916403-01 Client ID: SS-4						
Toluene	1.85	1.84	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	17.5	17.8	ppbV	2		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		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	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: 254 SCHOLLES STREET

Project Number: 254 SCHOLLES STREET

Serial_No:04261916:17
Lab Number: L1916403

Report Date: 04/26/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1916403-01	SS-4	0665	SV20	04/17/19	289826		-	-	-	Pass	17.7	15.1	16
L1916403-01	SS-4	2555	2.7L Can	04/17/19	289826	L1915110-01	Pass	-29.4	-6.3	-	-	-	-

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

Lab Number: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 04/13/19 09:05
Analyst: TS

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



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

Lab Number: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
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: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1915110**Project Number:** CANISTER QC BAT**Report Date:** 04/26/19**Air Canister Certification Results**

Lab ID: L1915110-01

Date Collected: 04/12/19 09:00

Client ID: CAN 392 SHELF 3

Date Received: 04/12/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 04/13/19 09:05
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1915110
Report Date: 04/26/19

Air Canister Certification Results

Lab ID: L1915110-01
Client ID: CAN 392 SHELF 3
Sample Location:

Date Collected: 04/12/19 09:00
Date Received: 04/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1915110**Project Number:** CANISTER QC BAT**Report Date:** 04/26/19**Air Canister Certification Results**

Lab ID: L1915110-01

Date Collected: 04/12/19 09:00

Client ID: CAN 392 SHELF 3

Date Received: 04/12/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
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	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	91		60-140



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Serial_No:04261916:17
Lab Number: L1916403
Report Date: 04/26/19

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type
---------------------	-----------------------

L1916403-01A	Canister - 6 Liter
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Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
N/A	NA			Y	Absent		TO15-LL(30)

Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

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.
LCS D	- 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.
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.

Footnotes

Report Format: Data Usability Report



Project Name: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

- 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.

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.

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.

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 Condensation Product".
- 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.
- 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.
- 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: 254 SCHOLLES STREET
Project Number: 254 SCHOLLES STREET

Lab Number: L1916403
Report Date: 04/26/19

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 its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

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



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

Revision 12

Published Date: 10/9/2018 4:58:19 PM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****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.

Attachment 2

Boring and Monitoring Well Construction Logs

Notes:			
N/A - Not Applicable	EOB - End of Boring	PID - Photoionization Detector	DTW - Depth to Water
SAA - Same as above	ft-bg - Feet Below Grade	SM - silty sand	GW - Groundwater
SP - poorly graded sand	GP - Poorly graded gravel	SW- Well-graded sands,	

Boring No. SB-2/MW-2	
Sheet: 1 OF 1	
Site: 254 Scholes Street	Drilling Method: Geoprobe
Date: 2/12/2019	Soil Sampling Method: 5' Macro-core
Weather: 20s, snow	DTW: 34'10"
Observer: A. Platt	Driller : Cascade

Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	GW Monitoring Well Intervals	
					Soil Description
5	0.0	100%	SB-2 (0-2)	1" PVC Riser (0-30')	0-0.25' - Asphalt
	0.0				0.25-1.5' - FILL, Brown to black, SP-SM, trace gravel, medium dense.
	0.0		1.5-5' - Brown to orange, SP-SM, trace gravel, cobbles at bottom, medium dense.		
10	0.0	90%			5-10' - Brown to white, fine SM, trace gravel throughout, medium dense.
	0.0				
	0.0				
15	0.0	100%			10-15' - Brown, SW, loose.
	0.0				
	0.0				
20	0.0	50%			15-20' - Brown to white, SW, trace gravel bottom 1.5', loose.
	0.0				
	0.0				
25	0.0	60%			20-25' - Brown, SW, cobbles throughout, loose.
	0.0				
	0.0				
30	0.0	60%			25-30' - Brown, medium to coarse SP-SM, medium dense, trace gravel & cobbles throughout.
	0.0				
	0.0				
35	0.0	100%		1" PVC Screen (30-40')	30-33' - SAA
	0.0		33-35' - Brown, SW, Silt at bottom, wet at 34'10"		
	0.0				DTW = 34.83 ft-bg
40					EOB @ 35'

Notes:			
N/A - Not Applicable	EOB - End of Boring	PID - Photoionization Detector	DTW - Depth to Water
SAA - Same as above	ft-bg - Feet Below Grade	SM - silty sand	GW - Groundwater
SP - poorly graded sand	GP - Poorly graded gravel	SW- Well-graded sands,	

Boring No.		SB-3/MW-3
Sheet:		1 OF 1
Site:	254 Scholes Street	Drilling Method: Geoprobe
Date:	2/12/2019	Soil Sampling Method: 5' Macro-core
Weather:	20s, snow	DTW: 33'6"
Observer:	A. Platt	Driller : Cascade

Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	GW Monitoring Well Intervals	
					Soil Description
5	0.0	100%		1" PVC Riser (0-30')	0-0.5' - Concrete.
	0.0				0.5-5' - Brown, fine SM, dense, moist.
	0.0				
10	0.0	80%			5-7' - Brown, fine SM, medium dense, moist, brick fragments bottom 4".
	0.0				7-10' - Brown to red, medium to coarse SP, trace gravel, brick fragments bottom 2", loose, moist.
	0.0				
15	0.0	20%			10-11' - Brown to red, medium to coarse SP-SM, trace gravel, loose, moist.
	0.0				11-12' - Concrete obstruction encountered, drilled through.
	0.0				12-15' - Brown, fine to medium SP, loose, moist.
20	0.0	90%			15-17' - Brown, medium SP-SM, trace gravel throughout, medium dense.
	0.0				17-18' - Brown, coarse SP, moist, loose.
	0.0				18-20' - Tan, fine SP, moist, loose.
25	0.0	100%			20-25' - Tan, fine SP, moist, medium dense, dark brown SM bottom 1"
	0.0				
	0.0				
30	0.0	100%			25-26.5' - Brown, fine SP-SM, trace gravel, medium dense, moist.
	0.0				26.5-30' - Brown, medium to coarse SW, moist, medium dense, fine SP bottom 2"
	0.0				
35	0.0	100%	SB-3 (31-33)	1" PVC Screen (30-40')	30-35' - Brown to tan, fine SP, medium dense, wet @ 33'6'.
	0.0				DTW = 33.5 ft-bg
	0.0				
40					EOB @ 35'

Notes:			
N/A - Not Applicable	EOB - End of Boring	PID - Photoionization Detector	DTW - Depth to Water
SAA - Same as above	ft-bg - Feet Below Grade	SM - silty sand	GW - Groundwater
SP - poorly graded sand	GP - Poorly graded gravel	SW - Well-graded sands,	

TENEN ENVIRONMENTAL				Boring No.	SB-4
				Sheet:	1 OF 1
Site: 254 Scholes Street				Drilling Method:	Geoprobe
Date: 2/13/2019				Soil Sampling Method:	5' Macro-core
Weather: 30s, sunny				DTW:	34'10"
Observer: A. Platt, K.Malnati				Driller :	Cascade
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	0.0	80%		0-0.25' - Concrete.	
	0.0			0.25-4' - Tan, SP-SM, FILL, Concrete debris.	
	0.0			4-5' - Brown, SM, FILL, Brick debris throughout.	
10	0.0	90%		5-7' - Brown, SM, Fill, concrete & brick debris throughout, medium dense.	
	0.0			7-8' - Brown, medium stiff CL, moist.	
	0.0			8-10' - Brown to tan, medium brick & concrete debris.	
15	0.0	50%	SB-4 (13-15)	10-14' - Brown, FILL, brick & concrete debris.	
	0.0			14-15' - Brown, SP, trace gravel, brick debris, medium dense.	
	0.0				
20	0.0	60%		15-18' - Brown, SP, medium dense, trace gravel.	
	0.0			18-20' - Brown, SP, medium coarse, moist, trace gravel.	
	0.0				
25	0.0	80%		20-24' - Brown, SP-SM.	
	0.0			22-23' - Brick & concrete debris.	
	0.0			24-25' - Fine SP, trace gravel.	
30	0.0	50%		25-30' - Brown, SP, medium to coarse trace gravel.	
	0.0				
	0.0				
35	0.0	90%		30-35' - Brown, medium to fine SP, gravel at top, medium dense, wet at 34'10".	
	0.0			DTW = 34.83 ft-bg	
	0.0				
40				EOB @ 35'	
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		SM - silty sand	
				GW - Groundwater	
				SW- Well-graded sands,	

				Boring No.	SB-5
				Sheet:	1 OF 1
Site: 254 Scholes Street				Drilling Method:	Geoprobe
Date: 2/13/2019				Soil Sampling Method:	5' Macro-core
Weather: 30s, sunny				DTW:	33'10"
Observer: A. Platt, K.Malnati				Driller :	Cascade
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	0.0	90%	SB-5 (0-2)	0-0.25' - Asphalt.	
	0.0			0.25-1' - Brown, SM, brick throughout, FILL, concrete at bottom, medium dense.	
	0.0			1-5' - Brown, SP-SM, trace gravel, dense, moist.	
10	0.0	90%		5-6.5' - Brown to black, SP-SM, trace gravel, moist, dense.	
	0.0			6.5-6.83' - Concrete	
	0.0			6.83-10' - Brown, SP-SM, concrete debris throughout, moist, loose.	
15	0.0	20%		10-15' - Brown, SP-SM, trace gravel, concrete at bottom, moist, loose.	
	0.0				
	0.0				
20	0.0	40%		15-19' - Brown, SP-SM, concrete debris at 18'-18'1", trace gravel throughout, moist, medium dense.	
	0.0			19-20' - White to brown, SM, trace gravel throughout.	
	0.0				
25	0.0	100%		20-25' - Brown, trace gravel at top, medium coarse sand, loose.	
	0.0				
	0.0				
30	0.0	50%		25-30' - Brown, medium dense, trace gravel at top, fine sand.	
	0.0				
	0.0				
35	0.0	70%		30-35' - Brown, fine sand, gravel at top, bottom 3" gray organic smell, wet @ 33'10"	
	0.0			DTW = 33.83 ft-bg	
	0.0				
40				EOB @ 35'	
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		SM - silty sand	
				GW - Groundwater	
				SW- Well-graded sands,	

				Boring No. SB-6	
				Sheet: 1 OF 1	
Site: 254 Scholes Street				Drilling Method: Geoprobe	
Date: 2/13/2019				Soil Sampling Method: 5' Macro-core	
Weather: 30s, sunny				DTW: 34'10"	
Observer: A. Platt, K.Malnati				Driller : Cascade	
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	0.0	40%	SB-6 (3-5)	0-0.25' - Concrete.	
	0.0			0.25-4' - Tan, SP-SM, FILL, trace concrete debris, moist, medium dense.	
	0.0			4-5' - Brown, SM, FILL, brick debris throughout, moist, medium dense.	
10	0.0	50%		5-7' - Brown, SM, FILL, brick debris, moist, medium dense.	
	0.0			7-7.25' - Black, FILL, organic peat, plastic throughout.	
	0.0			7.25-10' - Brown, SM, trace gravel at top, turns to SP at bottom, medium dense.	
15	0.0	60%		10-14' - Brown, medium to coarse SW, trace gravel at bottom, moist, loose.	
	0.0			14-14.5' - Crushed concrete.	
	0.0			14.5-15' - Tan, fine to medium SP, moist, loose.	
20	0.0	80%		15-19' - Brown, medium to coarse SP, moist, trace gravel, medium dense.	
	0.0			19-20' - Brown, SP-SM, trace concrete and gravel.	
	0.0				
25	0.0	100%		20-25' - Tan to brown, fine to medium sand, moist, loose.	
	0.0				
	0.0				
30	0.0	100%		25-30' - Tan, fine to medium sand, moist, medium dense, trace gravel top 3'	
	0.0				
	0.0				
35	0.0	70%		30-35' - Brown, fine to coarse SW, wet at 34'10", medium dense, trace gravel at 32-32.5'.	
	0.0			DTW = 34.83 ft-bg	
	0.0				
40				EOB @ 35'	
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		SM - silty sand	
				SW- Well-graded sands,	
				GW - Groundwater	

Boring No.		SB-7/MW-4
Sheet:		1 OF 1
Site:	254 Scholes Street	Drilling Method: Geoprobe
Date:	4/18/2019	Soil Sampling Method: 5' Macro-core
Weather:	Cloudy, Light Rain, Mid-50s	DTW: 35'
Observer:	A. Platt & K. Malnati	Driller: Cascade

Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	GW Monitoring Well Intervals	Soil Description
5	0.0	73%		1" PVC Riser (0'-35')	0-0.33' - Asphalt.
	0.0				0.33-5' - Brown, fine to medium silty SAND (FILL), trace gravel throughout, trace concrete debris at top, dense, moist.
	0.0				
10	0.0	100%			5-10' - Tan to brown, fine to medium poorly graded SAND with silt (FILL), trace gravel, trace concrete debris at bottom, medium dense, moist.
	0.0				
	0.0				10-15' - Tan to brown, medium to coarse poorly graded SAND with silt and gravel throughout, medium dense, moist.
0.0	15-20' - Brown, medium to coarse poorly graded SAND with silt and gravel throughout, medium dense, moist.				
0.0		20-25' - Brown, medium to coarse poorly graded SAND with silt, trace gravel, medium dense, moist.			
0.0	25-30' - Tan to brown, medium to coarse poorly graded SAND, trace gravel, medium dense, moist.				
0.0		30-35' - Tan to brown, medium to coarse poorly graded SAND with silt, trace gravel, medium dense, wet at 35'. DTW = 35 ft-bg			
0.0	EOB @ 35'				
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Notes:			
N/A - Not Applicable	EOB - End of Boring	PID - Photoionization Detector	DTW - Depth to Water
SAA - Same as above	ft-bg - Feet Below Grade	SM - silty sand	GW - Groundwater
SP - poorly graded sand	GP - Poorly graded gravel	SW - Well-graded sands,	

				Boring No.	SB-8-E
				Sheet:	1 OF 1
Site: 254 Scholes Street				Drilling Method:	Geoprobe
Date: 4/17/2019				Soil Sampling Method:	5' Macro-core
Weather: Cloudy, Mid-50s				DTW:	N/A
Observer: A. Platt				Driller:	Cascade
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	0.0	53%		0-0.5' - Concrete.	
	0.0			0.5-5' - Brown to white, medium coarse silty SAND (FILL), trace brick and gravel, medium dense, moist.	
	0.0				
10	48.6	25%	SB-8-E (5-10')	5-10' - Brown, medium to coarse silty SAND (FILL), trace gravel, medium dense, strong odor, staining at top, wet, oil-like liquid in liner.	
	115.7				
	55.0				
15		0%		10-15' - No soil recovery, liner is filled with oil-like liquid.	
20				EOB @ 15'	
25					
30					
35					
40					
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		GW - Groundwater	
				SM - silty sand	
				SW- Well-graded sands,	

					Boring No. SB-8/MW-5	
					Sheet: 1 OF 1	
Site: 254 Scholes Street					Drilling Method: Geoprobe	
Date: 4/17/2019					Soil Sampling Method: 5' Macro-core	
Weather: Cloudy, Mid-50s					DTW: N/A	
Observer: A. Platt					Driller: Cascade	
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	GW Monitoring Well Intervals	Soil Description	
5	0.0	68%		1" PVC Riser (0-29')	0-0.67' - Concrete.	
	0.0				0.67-5' - White to brown, medium coarse poorly graded SAND with silt (FILL), trace gravel and brick fragments, medium dense, moist.	
	0.0					
10	0.0	72%			5-8.5' - White to brown, fine to medium poorly graded SAND with silt (FILL), trace gravel and brick fragments, medium dense, moist.	
	0.0				8.5-10' - Brown, coarse poorly graded SAND, loose, moist.	
	0.0					
15	2.1	38%	SB-8 (13-15)		10-15' - White to brown, medium to coarse poorly graded SAND, trace gravel, medium dense, moist.	
	2.3					
	0.7					
20	0.0	40%			15-20' - White to brown, fine to coarse well graded SAND, trace gravel throughout, loose, moist.	
	0.0					
	0.0					
25	0.0	53%			20-25' - White to tan, fine to medium poorly graded SAND, trace gravel throughout, medium dense, moist.	
	0.0				Refusal encountered at 25 ft-bg. Monitoring well constructed 2 ft south of the borehole.	
	0.0					
30				EOB @ 25'		
35				1" PVC Screen (29-39')		
40						
Notes:						
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector		DTW - Depth to Water
SAA - Same as above		ft-bg - Feet Below Grade		SM - silty sand		GW - Groundwater
SP - poorly graded sand		GP - Poorly graded gravel		SW - Well-graded sands,		

Boring No. SB-9/MW-6

Sheet: 1 OF 1

Site: 254 Scholes Street

Drilling Method: Geoprobe

Date: 4/17/2019

Soil Sampling Method: 5' Macro-core

Weather: Cloudy, Mid-50s

DTW: 37'4"

Observer: A. Platt

Driller: Cascade

Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	GW Monitoring Well Intervals	Soil Description
	0.0				0-0.67' - Concrete.
5	0.0	100%			0.67-5' - Brown, fine to medium poorly graded SAND with silt (FILL), trace gravel, concrete fragments at bottom, medium dense, moist.
	0.0				
	0.0	100%			5-10' - White to brown, fine to medium silty SAND (FILL), trace brick and concrete fragments throughout, dense, moist, remnants of a concrete slab from 8.5-9'.
10	0.0				
	0.0				
	0.0	55%			10-15' - Tan to brown, fine poorly graded SAND with silt, trace gravel in bottom 3", medium dense, moist.
15	0.0				
	0.8				
	0.1	37%			15-20' - Brown, medium to coarse poorly graded SAND with silt, gravel in bottom 2", loose, moist.
20	0.0				
	0.0				
	0.0	57%			20-25' - Brown to tan, medium to coarse poorly graded SAND, gravel at top, medium dense, moist.
25	0.0				
	0.0				
	0.0	33%			25-30' - Brown to tan, medium to coarse poorly graded SAND, trace gravel, medium dense, moist.
30	0.0				
	0.0				
	0.0	100%			30-35' - Tan, fine to medium poorly graded SAND, medium dense, moist.
35	0.0				
	0.0				
	0.0	100%			35-40' - Brown, fine to medium poorly graded SAND, medium dense, wet at 37.33'.
40	0.0				DTW = 37.33 ft-bg
					EOB @ 40'
45					

Notes:

N/A - Not Applicable
 SAA - Same as above
 SP - poorly graded sand

EOB - End of Boring
 ft-bg - Feet Below Grade
 GP - Poorly graded gravel

PID - Photoionization Detector
 SM - silty sand
 SW - Well-graded sands,

DTW - Depth to Water
 GW - Groundwater

				Boring No.	SB-10
				Sheet:	1 OF 1
Site: 254 Scholes Street				Drilling Method:	Geoprobe
Date: 4/18/2019				Soil Sampling Method:	5' Macro-core
Weather: Cloudy, Light Rain, Mid-50s				DTW:	35'
Observer: A. Platt & K.Malnati				Driller:	Cascade
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	24.7	100%	SB-10 (3-5)	0-0.33' - Asphalt.	
	39.1			0.33-5' - Brown, medium to coarse silty SAND (FILL), trace brick fragments, medium dense, moist, strong odor.	
	84.5				
10	73.1	77%		5-10' - Light brown, fine silty SAND (FILL), trace brick, asphalt, and concrete fragments, trace gravel, medium dense, moist.	
	9.5				
	3.3				
15	30.7	100%		10-11.5' - Brown, fine to medium silty SAND (FILL), trace brick fragments, trace gravel, medium dense, moist.	
	0.0			11.5-12.33' - Concrete.	
	0.0			12.33-15' - Brown, coarse poorly graded SAND, trace gravel, medium dense, moist.	
20	11.5	53%		15-18.17' - Brown, medium to coarse silty SAND (FILL), trace concrete fragments, trace gravel, medium dense, moist.	
	0.0			18.7-20' - Tan, coarse poorly graded SAND, trace gravel, medium dense, moist.	
	0.0				
25	0.0	60%		20-25' - Tan to brown, medium to coarse poorly graded SAND, trace gravel, medium dense, moist.	
	0.0				
	0.0				
30	0.0	40%		25-28.5' - Brown, fine to medium poorly graded SAND with silt, trace gravel, medium dense, moist.	
	0.1			28.5-30' - Tan, coarse poorly graded SAND, medium dense, moist.	
	0.0				
35	10.7	10%		30-35' - Brown, fine to medium poorly graded SAND with silt, trace gravel, loose, wet at 35'.	
	18.5			DTW = 35 ft-bg	
	7.2				
40				EOB @ 35'	
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		GW - Groundwater	
				SM - silty sand	
				SW- Well-graded sands,	

TENEN ENVIRONMENTAL				Boring No.	SB-1-N
				Sheet:	1 OF 1
Site: 254 Scholes Street				Drilling Method:	Geoprobe
Date: 4/17/2019				Soil Sampling Method:	5' Macro-core
Weather: Cloudy, Mid-50s				DTW:	N/A
Observer: A. Platt				Driller:	Cascade
Depth (feet)	PID Reading (ppm)	% Soil Recovery	Soil Samples	Soil Description	
5	0.0	48%		0-0.67' - Concrete.	
	0.0			0.67-5' - Brown, fine to medium silty SAND (FILL), trace brick fragments and gravel, medium dense, moist.	
	0.0				
10	0.0	72%		5-10' - Tan to brown, medium to coarse silty SAND (FILL), trace brick fragments at top, trace gravel throughout, medium dense, moist.	
	0.0				
	0.0				
15	0.3	32%	SB-1-N (13-15)	10-15' - Tan to brown, medium to coarse poorly graded SAND with silt (FILL), trace gravel throughout, loose, moist.	
	0.5				
	0				
20				EOB @ 15'	
25					
30					
35					
40					
Notes:					
N/A - Not Applicable		EOB - End of Boring		PID - Photoionization Detector	
SAA - Same as above		ft-bg - Feet Below Grade		DTW - Depth to Water	
SP - poorly graded sand		GP - Poorly graded gravel		GW - Groundwater	
				SM - silty sand	
				SW- Well-graded sands,	

Attachment 3

Groundwater Purge Logs

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	2/13/2019
Well No.	MW-1	Sample ID	MW-1 @ 1425

Well Diameter	1 inches	Depth to Water	37.31 ft-bg
Well Screen Interval	35-45 ft-bg		
Headspace PID	271.6 ppm		
Weather	30s, Sunny		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1323	16.12	7.51	-118	1.40	135	2.24	0.896
1342	17.36	7.43	-162	1.61	125	0.43	1.03
1358	17.53	7.44	-159	1.67	74.5	2.51	1.07
1408	17.62	7.45	-148	1.69	52.7	0.42	1.08
1416	17.67	7.45	-145	1.70	35.7	0.42	1.09

Notes: Sample MW-1 collected at 2:45 to be analyzed for VOCs.

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	2/13/2019
Well No.	MW-2	Sample ID	MW-2 @ 1110

Well Diameter	1 inches	Depth to Water	34.86 ft-bg
Well Screen Interval	30-40 ft-bg		
Headspace PID	0.0 ppm		
Weather	30s, Sunny		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1003	14.11	8.60	-94	1.84	128	7.25	1.17
1013	14.28	7.46	-95	1.82	115	0.79	1.16
1023	14.45	7.40	-91	1.78	97.1	0.49	1.14
1033	14.26	7.41	-84	1.73	67.3	0.36	1.11
1043	13.79	7.42	-78	1.70	50.9	0.44	1.09
1053	13.98	7.42	-76	1.69	49.5	0.42	1.08

Notes: Sample MW-2 collected at 11:10 to be analyzed for VOCs

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	2/13/2019
Well No.	MW-3	Sample ID	MW-3 @ 1255

Well Diameter	1 inches	Depth to Water	32.43 ft-bg
Well Screen Interval	30-40 ft-bg		
Headspace PID	0.5 ppm		
Weather	30s, Sunny		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	2 gallons

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1226	15.13	7.04	-59	1.99	63.1	0.41	1.27
1240	15.30	6.94	-88	2.01	10.1	0.00	1.29
1250	15.34	6.94	-101	2.02	0.6	0.00	1.29

Notes: Sample MW-3 collected at 12:55 to be analyzed for VOCs

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	4/18/2019
Well No.	MW-4	Sample ID	MW-4 @ 1330

Well Diameter	1 inches	Depth to Water	33.01 ft-bg
Well Screen Interval	28.83-38.83 ft-bg		
Headspace PID	3.2 ppm		
Weather	Cloudy, 50s		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1245	14.59	5.91	205	0.0	220	11.22	0.0
1255	15.77	7.91	4	0.496	1000	5.82	0.325
1305	15.95	7.41	-13	0.603	499	4.23	0.387
1315	16.03	7.03	-29	0.690	185	4.26	0.444
1325	16.06	7.00	-14	0.771	135	4.25	0.315

Notes: Turbidity hovering between 140 and 180 NTU, although sample had been clear for over 30 minutes. Horiba thought to be malfunctioning due to very silty water that entered the monitor when purging began. Sample MW-4 collected at 13:10 to be analyzed for VOCs.

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	4/18/2019
Well No.	MW-5	Sample ID	MW-5 @ 1210

Well Diameter	1 inches	Depth to Water	32.03 ft-bg
Well Screen Interval	27.83-37.83 ft-bg		
Headspace PID	0.0 ppm		
Weather	Cloudy, 50s		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm
1149	14.73	6.49	106	0.565	96.2	7.74	0.361
1159	14.75	6.02	117	0.565	56.2	5.85	0.362
1209	14.74	6.01	122	0.563	47.9	5.56	0.359

Notes: Sample MW-5 collected at 12:10 to be analyzed for VOCs

GROUNDWATER SAMPLING LOG

Site Name	254 Scholes Street	Date	4/18/2019
Well No.	MW-6	Sample ID	MW-6 @ 1420

Well Diameter	1 inches	Depth to Water	36.3 ft-bg
Well Screen Interval	33.5-43.5 ft-bg		
Headspace PID	3.7 ppm		
Weather	Cloudy, 50s		

Pump	Bladder
Water Quality Meter	Horiba U-52
Total Volume Purged	1 gallon

Time	Temperature deg-C	pH SU	ORP mV	Conductivity mS/cm	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids ppm

Notes: Horiba not functioning properly due to heavy silt intake from MW-4. Sample MW-6 collected at 14:20 to be analyzed for VOCs.